SoundEarth Strategies, Inc.
2811 Fairview Avenue East, Suite 2000
Seattle, Washington 98102

Date: October 16, 2013

GROUNDWATER MONITORING REPORT
THIRD QUARTER 2013

Touchstone SLU LLC
Troy Laundry Property
Seattle, Washington

Property Address:	307 Fairview Avenue North, Seattle, Washington
Primary Regulatory Agency/ID:	Washington State Department of Ecology/Amended Agreed Order No. DE 8996
Project Number:	0731-004
Project Manager:	Erin K. Rothman
Property Owner/Land Use:	Touchstone SLU LLC/Commercial
Off-Property Land Use:	Commercial/Light Industrial

SoundEarth Strategies, Inc. (SoundEarth) has prepared this report to present the results of the Third Quarter 2013 groundwater monitoring event (monitoring event) that was conducted at the Troy Laundry Property located at 307 Fairview Avenue North in Seattle, Washington (the Property). The location of the Property is shown on Figure 1.

The Property is located on a topographically low-lying area within the downtown area of the City of Seattle. Elevations range from 68 feet (northwest corner of the Property) to 105 feet (southeast corner of the Property) above the North American Vertical Datum of 1988 (NAVD88) and slope toward the northwest. Lake Union is located approximately 0.4 miles to the north of the Property, and Elliot Bay is located approximately 1.5 miles to the west of the Property. The Property is currently managed under the authority of Amended Agreed Order No. DE 8996 between Touchstone SLU LLC and the Washington State Department of Ecology (Ecology).

The Property was initially developed prior to 1893 with residences. Residences exclusively occupied the Property until 1925, when the Boren Investment building was constructed on the northwestern corner of the Property. The Troy Building was constructed between 1926 and 1927, and the former Mokas Building was constructed in 1960. The former Mokas Building was demolished in 2012. According to historical records, by 1948 the Property operated as one of the Pacific Northwest's largest laundry and dry cleaning facilities. At least 15 underground storage tanks containing heating oil, fuel, and dry cleaning solvents, as well as several aboveground storage tanks containing propane, washwater, water-softening agents, dry cleaning solvents, and heating oil, were used on the Property.

The Site is defined by the full lateral and vertical extent of contamination that has resulted from the former operation of a dry cleaning facility on the Property. Based on the information gathered to date, the Site includes soil, soil vapor, and/or groundwater contaminated with gasoline-, diesel-, and oil-range petroleum hydrocarbons (GRPH, DRPH, and ORPH, respectively); tetrachloroethylene (PCE);

trichloroethylene (TCE); cis-1,2-dichloroethylene (cis-1,2-DCE); and/or vinyl chloride (VC) beneath the Property and portions of the Boren Avenue North and Thomas Street rights-of-way (ROWs), as well as TCE in groundwater beneath portions of the Boren and Terry Avenue North ROWs. The impacts beneath the Property and portions of the Boren Avenue North and Thomas Street ROWs likely are associated with a release of chlorinated and Stoddard solvents from the industrial laundry and dry cleaning facility that operated on the Property from 1927 to 1985. The highest concentrations of chlorinated and Stoddard solvents are located in the center of the Property near the loading dock. The TCE impacts identified within portions of Boren and Terry Avenues North are a result of an upgradient source.

The monitoring event was conducted on August 29 and September 9 to 11, 2013, to evaluate the environmental quality, flow direction, and gradient of groundwater beneath the Site and on a more regional scale beneath the South Lake Union neighborhood. The monitoring event included collecting groundwater data from the following sources:

- Monitoring wells located on the Property and adjoining ROWs that were installed during investigations conducted to evaluate the source and extent of contamination associated with the Site.
- Monitoring wells located in public ROWs in the vicinity of the Site.
- Monitoring wells located on the north-adjoining property, which is listed in Ecology's Voluntary Cleanup Program (VCP No. NW2608). Groundwater analytical data were compiled from reports on file with Ecology and are included in Table 1.

During the monitoring event, depth to groundwater measurements were collected from monitoring wells MW06 and MW08 through MW12 located on the Property; MW04, MW05, MW07, and MW13 located in the Boren Avenue North ROW; MW15 located in the Terry Avenue North ROW; MW14 and MW16 located in the Thomas Street ROW; MW-C located in the Fairview Avenue North ROW; MW01 through MW03, SMW01, SMW02, SMW06, and SMW08 located in the Harrison Street ROW; SMW09 located in the Westlake Avenue North ROW; and SLU-MW01 and SLU-MW02 located on the north-adjoining property. As part of the monitoring event, groundwater samples were collected from monitoring wells MW01 through MW16, MW-C, SMW06, and SMW09. A field duplicate sample was collected from monitoring well MW16 for quality assurance/quality control (QA/QC) purposes.

This report presents a description of field activities performed during the monitoring event and the associated laboratory analytical results. Current and historical groundwater elevations and sample analytical results are presented in Table 1.

FIELD ACTIVITIES

Upon arrival at the Site on August 29, 2013, SoundEarth personnel opened monitoring wells MW01 through MW16, MW-C, SMW01, SMW02, SMW06, SMW08, SMW09, SLU-MW01, and SLU-MW02. Water levels were permitted to equilibrate with atmospheric pressure for a minimum of 30 minutes before groundwater level measurements were obtained. Groundwater levels were measured relative to the top of well casing to an accuracy of 0.01 feet using an electronic water level meter.

On September 9 to 11, 2013, groundwater samples were collected from monitoring wells MW01 through MW16, MW-C, SMW06, and SMW09 according to the U.S. Environmental Protection Agency

(EPA) *Low-Flow (Minimal Drawdown) Groundwater Sampling Procedures* (April 1996). Purging and sampling of each monitoring well were performed using a bladder pump and dedicated polyethylene tubing at a maximum flow rate of 250 milliliters per minute. The tubing intake was placed approximately 2 to 3 feet below the surface of the groundwater or mid-screen in each monitoring well. During purging, water quality was monitored using a YSI-brand water quality meter equipped with a flow-through cell. The water quality parameters that were monitored and recorded included temperature, pH, specific conductance, dissolved oxygen, turbidity, and oxidation-reduction potential. Each monitoring well was purged until, at a minimum, the subset of pH, specific conductance, and dissolved oxygen or turbidity had stabilized.

Following purging, groundwater samples were collected from the pump outlet tubing located upstream of the flow-through cell and placed directly into clean, laboratory-prepared sample containers. Each container was labeled with a unique sample identification number, placed on ice in a cooler, and transported to Friedman & Bruya, Inc. of Seattle, Washington, under standard chain-of-custody protocols for laboratory analysis. The groundwater samples were submitted for analysis of GRPH by Northwest Total Petroleum Hydrocarbon (NWTPH) Method NWTPH-Gx; benzene, toluene, ethylbenzene, and total xylenes (BTEX) by Method 8021B; DRPH and ORPH by Method NWTPH-Dx; and PCE, TCE, cis-1,2-DCE, trans-1,2-Dichloroethene (trans-1,2-DCE), and VC by EPA Method 8260C. Purge water generated during the monitoring event was placed in an appropriately labeled 55-gallon steel drum and temporarily stored on the Property pending receipt of analytical data and proper disposal.

RESULTS

Groundwater levels measured on August 29, 2013, ranged from 35.84 feet (monitoring well SMW09) to 93.32 feet (monitoring well MW-C) below the top of the monitoring well casings (Table 1). Groundwater elevations were contoured using the water level measurements collected on August 29, 2013 (Figure 2, Table 1). The groundwater contours indicate a groundwater flow direction to the northwest with an average gradient of 0.002 feet per foot between MW-C and SMW06.

Laboratory analytical results from the monitoring event were compared to applicable Washington State Model Toxics Control Act (MTCA) Method A cleanup levels for groundwater and are summarized below (Figures 3 and 4, Table 1):

- Concentrations of PCE exceeding the MTCA Method A cleanup level were detected in the groundwater samples collected from monitoring wells MW11 located on the Property; MW05 and MW13 located in the Boren Avenue North ROW; and MW16 located in the Thomas Street ROW. The concentrations of PCE in the remaining groundwater samples were below the laboratory reporting limit and/or MTCA Method A cleanup level.
- Concentrations of TCE exceeding the MTCA Method A cleanup level were detected in the groundwater samples collected from monitoring wells MW09 and MW12 located on the Property; MW04, MW05, and MW07 located in the Boren Avenue North ROW; MW15 located in the Terry Avenue North ROW; and MW16 located in the Thomas Street ROW. The concentrations of TCE in the remaining groundwater samples were below the laboratory reporting limit and/or MTCA Method A cleanup level.
- Concentrations of cis-1,2-DCE and VC exceeding the MTCA Method B and A cleanup levels, respectively, were detected in the groundwater samples collected from monitoring wells MW06

located on the Property and MW16 located in the Thomas Street ROW. The concentrations of cis-1,2-DCE and VC in the remaining groundwater samples were below the laboratory reporting limits and/or MTCA Method A and B cleanup levels.

- Concentrations of GRPH, BTEX, DRPH, ORPH, and trans-1,2-DCE in the groundwater samples collected from all of the monitoring wells were below their respective laboratory reporting limits and/or MTCA Method A and B cleanup levels.
- Concentrations of DRPH, ORPH, and trans-1,2-DCE, cis-1,2-DCE, TCE, PCE, and VC in the groundwater samples collected in 2012 from SLU-MW01 and SLU-MW02 (located on the north-adjoining property) were below their respective laboratory reporting limits and/or MTCA Method A and B cleanup levels.

DATA QUALITY REVIEW

SoundEarth performed a QA/QC review of the analytical results, which included a review of accuracy and precision of the data supplied by the laboratory. In addition, the relative percent difference (RPD) was calculated for the field duplicate collected by SoundEarth from monitoring well MW16. The RPD for each analyte was within acceptable limits. Detections of DRPH in samples collected from monitoring wells MW06, MW07, MW08, MW11, MW16, SMW06, SMW09, and the field duplicate sample were flagged by the laboratory as having a chromatographic pattern that does not match the fuel standard used for quantification. All DRPH detections were below the MTCA Method A cleanup level. All other quality control criteria are acceptable for the groundwater samples; therefore, no action is required and analytical results are usable to meet the project objectives. A copy of the laboratory analytical report is provided in Attachment A.

CONCLUSIONS

The results of the monitoring event are consistent with the Site definition presented in the *Draft Remedial Investigation Report* (SoundEarth), dated May 2, 2012, and the *Draft Addendum—Supplemental Remedial Investigation Report* (SoundEarth), dated December 17, 2012. Based on the results of the monitoring event, the lateral extent of dissolved-phase chlorinated solvents has been defined to the north, east/southeast, and west/northwest of the Site.

The general direction of groundwater flow during groundwater monitoring events conducted in 2011 and 2012 was toward the southeast. However, groundwater contours from this monitoring event indicate that regional groundwater flow is generally toward the northwest, likely as a result of large-scale dewatering projects ongoing to the northwest of the Property.

CLOSING

SoundEarth appreciates the opportunity to work with you on this project. Please contact the undersigned at (206) 306-1900 if you have any questions or require additional information.

Respectfully,

SoundEarth Strategies, Inc.

David Mendel, GT
Staff Geologist

Erin K. Rothman, MS
Environmental Division President

Attachments: Figure 1, Property Location Map
Figure 2, Groundwater Contour Map (August 29, 2013)
Figure 3, Groundwater Analytical Results—Petroleum Hydrocarbons
Figure 4, Groundwater Analytical Results—Chlorinated Solvents
Table 1, Summary of Groundwater Data
A, Laboratory Analytical Report
Friedman & Bruya, Inc. #309188

DMM/PJK/EKR:mdb/hsb

FIGURES

P:\0731 TOUCHSTONE\0731-004 TROY LAUNDRY\TECHNICAL\CAD\FIGURE 1\0731-004-04 FIG 1 F.DWG

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CAD FILE:.....0731-004-04_FIG1

PROJECT NAME: .....TROY LAUNDRY PROPERTY
PROJECT NUMBER: 0731-004-04
STREET ADDRESS:.....307 FAIRVIEW AVENUE NORTH
CITY, STATE:.....SEATTLE, WASHINGTON

FIGURE 1
PROPERTY LOCATION MAP

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REPUBLICAN STREET

HARRISON STREET

THOMAS STREET

N

SLU-MW01 (13.43)

SLU-MW02 (DRY)

SLU 293 PROPERTY

BOREN AVENUE NORTH

MW01 (14.33)

MW02 (14.44)

MW03 (14.44)

MW04 (13.44)

MW07 (13.60)

MW12 (14.45)

MW06 (14.48)

MW10 (14.45)

MW11 (14.45)

MW08 (14.78)

TROY LAUNDRY PROPERTY

MW05 (14.32)

MW13 (14.43)

MW09 (14.41)

MW16 (14.43)

MW14 (14.41)

MW-A (NM)

MW-B (NM)

MW-C (14.43)

SMW09 (12.41)

SMW06 (12.24)

SMW02 (12.59)

SMW01 (12.67)

SMW08 (12.61)

FIRESTONE PROPERTY

MW15 (13.42)

WESTLAKE AVENUE NORTH

TERRY AVENUE NORTH

FAIRVIEW AVENUE NORTH

13.25'

13.50

13.00'

13.75'

14.00'

14.25'

14.50'

12.75'

12.50'

12.25'

14.75

LEGEND

- MONITORING WELL
- DEEP MONITORING WELL
- PROPERTY BOUNDARY
- (14.43) GROUNDWATER ELEVATION
- (NM) NOT MEASURED
- 0.25-FOOT-INTERVAL CONTOUR LINE
- GROUNDWATER FLOW DIRECTION (AUGUST 29, 2013)

NOTE: ELEVATIONS ARE PRESENTED AS FEET ABOVE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)

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PROJECT NAME: TROY LAUNDRY PROPERTY
PROJECT NUMBER: 0731-004
STREET ADDRESS: 307 FAIRVIEW AVENUE NORTH
CITY, STATE: SEATTLE, WASHINGTON

REGION:

0 30 60 120 240
APPROXIMATE SCALE IN FEET

FIGURE 2
GROUNDWATER CONTOUR MAP
(AUGUST 29, 2013)

P:\0731 TOUCHSTONE\0731-004 TROY LAUNDRY\TECHNICAL\CAD\2013 GW\0731-004 2013Q3 CM F.DWG

10/14/2013

REPUBLICAN STREET

HARRISON STREET

THOMAS STREET

N

BOREN AVENUE NORTH

TERRY AVENUE NORTH

WESTLAKE AVENUE NORTH

FAIRVIEW AVENUE NORTH

SLU 293 PROPERTY

FIRESTONE PROPERTY

TROY LAUNDRY PROPERTY

SLU-MW01
SLU-MW02
SMW09
SMW06
SMW02
SMW01
SMW08
MW01
MW02
MW03
MW04
MW07
MW12
MW06
MW10
MW11
MW08
MW15
MW05
MW13
MW09
MW14
MW16
MW-A
MW-B
MW-C

Sample Location	Sample Date	Analytical Results (micrograms per liter) GRPH	DRPH	ORPH	Benzene	Toluene	Ethylbenzene	Total Xylenes
Troy Laundry Property								
MW06	09/09/13	<100	150	<250	<1	<1	<1	<3
MW08	09/10/13	<100	120	<250	<1	<1	<1	<3
MW09	09/10/13	<100	<50	<250	<1	<1	<1	<3
MW10	09/09/13	<100	<50	<250	<1	<1	<1	<3
MW11	09/09/13	<100	97	<250	<1	<1	<1	<3
MW12	09/09/13	<100	<50	<250	<1	<1	<1	<3
Boren Avenue North								
MW04	09/09/13	<100	<50	<250	<1	<1	<1	<3
MW05	09/10/13	<100	<50	<250	<1	<1	<1	<3
MW07	09/09/13	<100	120	<250	<1	<1	<1	<3
MW13	09/10/13	<100	<50	<250	<1	<1	<1	<3
Terry Avenue North								
MW15	09/10/13	<100	<50	<250	<1	<1	<1	<3
Thomas Street								
MW14	09/11/13	<100	<50	<250	<1	<1	<1	<3
MW16	09/11/13	110	170	<250	<1	<1	<1	<3
Fairview Avenue North								
MW-C	09/11/13	<100	<50	<250	<1	<1	<1	<3
Harrison Street								
MW01	09/10/13	<100	<50	<250	<1	<1	<1	<3
MW02	09/11/13	<100	<50	<250	<1	<1	<1	<3
MW03	09/11/13	<100	<50	<250	<1	<1	<1	<3
SMW01	--	--	--	--	--	--	--	--
SMW02	--	--	--	--	--	--	--	--
SMW06	09/10/13	400	130	<250	<1	<1	3.5	3.7
SMW08	--	--	--	--	--	--	--	--
Westlake Avenue North								
SMW09	09/10/13	<100	79	<250	<1	<1	<1	<3
North-Adjoining Property								
SLU-MW01	02/29/12	--	150	<250	--	--	--	--
SLU-MW02	02/29/12	--	<50	<250	--	--	--	--
MTCA Method A		1,000/800	500	500	5	1,000	700	1,000

LEGEND

- MONITORING WELL
- DEEP MONITORING WELL
- PROPERTY BOUNDARY
- GROUNDWATER FLOW DIRECTION (AUGUST 29, 2013)
- MTCA — WASHINGTON STATE MODEL TOXICS CONTROL ACT
- GRPH — GASOLINE-RANGE PETROLEUM HYDROCARBONS
- DRPH — DIESEL-RANGE PETROLEUM HYDROCARBONS
- ORPH — OIL-RANGE PETROLEUM HYDROCARBONS
- < — RESULT BELOW LABORATORY REPORTING LIMIT
- -- — NOT SAMPLED

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PROJECT NAME: TROY LAUNDRY PROPERTY
PROJECT NUMBER: 0731-004
STREET ADDRESS: 307 FAIRVIEW AVENUE NORTH
CITY, STATE: SEATTLE, WASHINGTON

REGION:

0 30 60 120 240
APPROXIMATE SCALE IN FEET

FIGURE 3
GROUNDWATER ANALYTICAL RESULTS
PETROLEUM HYDROCARBONS

P:\0731 TOUCHSTONE\0731-004 TROY LAUNDRY\TECHNICAL\CAD\2013 GW\0731-004 2013Q3 BTEX F.DWG

10/16/2013

REPUBLICAN STREET

HARRISON STREET

THOMAS STREET

N

SMW09

SMW06

SMW02

SMW01

SMW08

WESTLAKE AVENUE NORTH

FIRESTONE PROPERTY

TERRY AVENUE NORTH

MW15

MW04

MW07

MW05

MW13

BOREN AVENUE NORTH

SLU-MW01

SLU-MW02

SLU 293 PROPERTY

MW01

MW02

MW03

MW12

MW06

MW11

MW10

MW08

TROY LAUNDRY PROPERTY

MW09

MW14

MW16

MW-A

MW-B

MW-C

FAIRVIEW AVENUE NORTH

Sample Location	Sample Date	Analytical Results (micrograms per liter) PCE	TCE	trans-1-2-DCE	cis-1-2-DCE	Vinyl Chloride
Troy Laundry Property						
MW06	09/09/13	3.8	4.5	<1	**150**	**0.93**
MW08	09/10/13	<1	<1	<1	<1	<0.2
MW09	09/10/13	1.6	**15**	<1	2.0	<0.2
MW10	09/09/13	<1	<1	<1	<1	<0.2
MW11	09/09/13	**39**	3.8	<1	3.6	<0.2
MW12	09/09/13	<1	**20**	<1	<1	<0.2
Boren Avenue North						
MW04	09/09/13	<1	**22**	<1	15	<0.2
MW05	09/10/13	**21**	**13**	<1	1.9	<0.2
MW07	09/09/13	1.5	**33**	<1	5.4	<0.2
MW13	09/10/13	**11**	1.4	<1	<1	<0.2
Terry Avenue North						
MW15	09/10/13	<1	**8.6**	<1	<1	<0.2
Thomas Street						
MW14	09/11/13	<1	<1	<1	<1	<0.2
MW16	09/11/13	**6.4**	**5.0**	<1	**610**	**1.9**
Fairview Avenue North						
MW-C	09/11/13	<1	<1	<1	<1	<0.2
Harrison Street						
MW01	09/10/13	<1	1.4	<1	<1	<0.2
MW02	09/11/13	<1	3.6	<1	<1	<0.2
MW03	09/11/13	<1	<1	<1	<1	<0.2
SMW01	--	--	--	--	--	--
SMW02	--	--	--	--	--	--
SMW06	09/10/13	<1	<1	<1	<1	<0.2
SMW08	--	--	--	--	--	--
Westlake Avenue North						
SMW09	09/10/13	<1	<1	<1	<1	<0.2
North-Adjoining Property						
SLU-MW01	02/29/12	<1	<1	<1	<1	<0.2
SLU-MW02	02/29/12	<1	<1	<1	<1	<0.2
MTCA Method A		5	5	160	16	0.2

LEGEND

- MONITORING WELL
- DEEP MONITORING WELL
- PROPERTY BOUNDARY
- GROUNDWATER FLOW DIRECTION (AUGUST 29, 2013)
- MTCA — WASHINGTON STATE MODEL TOXICS CONTROL ACT
- RED — CONCENTRATIONS EXCEED MTCA METHOD A CLEANUP LEVELS
- DCE — DICHLOROETHYLENE
- PCE — TETRACHLOROETHYLENE
- TCE — TRICHLOROETHYLENE
- < — RESULT BELOW LABORATORY REPORTING LIMIT
- -- — NOT SAMPLED

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STREET ADDRESS: 307 FAIRVIEW AVENUE NORTH
CITY, STATE: SEATTLE, WASHINGTON

REGION:

0 30 60 120 240
APPROXIMATE SCALE IN FEET

FIGURE 4
GROUNDWATER ANALYTICAL RESULTS
CHLORINATED SOLVENTS

TABLE

Table 1
Summary of Groundwater Data
Troy Laundry Property
307 Fairview Avenue North
Seattle, Washington

Sample Location	Screen Interval[1] (feet)	TOC Elevation[2] (feet)	Sample Date	Sampled By	Date of Depth to Water Measurement	Depth to Water (feet below TOC)	Groundwater Elevation (feet)	Analytical Results (µg/L)																						
								GRPH[3]	DRPH[4]	ORPH[4]	Benzene[5]	Toluene[5]	Ethylbenzene[5]	Total Xylenes[5]	Vinyl Chloride[5]	cis-1-2-DCE[5]	trans-1-2-DCE[5]	EDC[5]	TCE[5]	PCE[5]	SVOCs[6] [7]	Total Arsenic[8]	Total Barium[9]	Total Cadmium[9]	Total Chromium[9]	Total Lead[10]	Total Selenium[11]	Total Silver[9]	Total Mercury[12]	pH[13]
Troy Laundry Property																														
Supply Well[14]	Unknown	--	10/11/94	RETEC	10/11/94	73	--		420[15]		<1	<1	<1	<1	<1	<1	<1	<1	<1	13	<5.0	49	<5.0	<10	4.4	<5.0	<5.0	<2	9.38
			08/26/10[16]	SoundEarth	08/26/10	75.25	--	<100	<50	<250	<0.035	<1	<1	<3	<0.2	<1	<1	<1	<1	<2	<0.1	3.15	103	<1	1.35	4.84	<1	<1	<0.2	8.90
			08/26/10[17]	SoundEarth	08/26/10	75.25	--	<100	82[x]	370	<0.035	<1	<1	<3	<0.2	<1	<1	<1	<1	<2	<0.1	2.56	63.4	<1	1.11	2.85	<1	<1	<0.2	8.95
P10	19-21	--	10/07/10	SoundEarth	10/07/10	20	--	170	940[x]	<250	<0.35	<1	<1	<3	<0.2	67	<1	<1	15	80	--	--	--	--	--	--	--	--	--	--
B07	23-24	--	12/08/10	SoundEarth	12/08/10	23	--	2,300	310	200	NR	NR	NR	NR	NR	920	1.5	NR	130	4,600	--	--	--	--	--	--	--	--	--	--
B14	N/A	--	05/27/11	SoundEarth	05/27/11	69	--	<100	590	370[x]	<1	<1	<1	<3	<0.2	12	<1	<1	8.8	35	<2	--	--	--	--	--	--	--	--	--
MW06	60-75	74.78	05/31/11	SoundEarth	05/31/11	58.70	16.08	<100	330[x]	<250	<1	<1	<1	<3	0.76	150[vo]	<1	<1	8.2	3.1	<10	--	--	--	--	--	--	--	--	--
			10/12/11	SoundEarth	10/20/11	58.91	15.87	<100[18]	83[18] x	<250[18]	<1[18]	<1[18]	<1[18]	<3[18]	0.76	120	<1	<1	11	3.6	--	--	--	--	--	--	--	--	--	--
			12/10/12	SoundEarth	12/10/12	58.71	16.07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			09/09/13	SoundEarth	08/29/13	60.30	14.48	<100	150[x]	<250	<1	<1	<1	<3	0.93	150	<1	<1	4.5	3.8	--	--	--	--	--	--	--	--	--	--	--
MW08	105-110	92.88	10/13/11	SoundEarth	10/20/11	77.18	15.70	<100	<50	<250	<1	<1	<1	<3	<0.2	<1	<1	<1	<1	<1	--	--	--	--	--	--	--	--	--	--	--
			09/10/13	SoundEarth	08/29/13	78.10	14.78	<100	120[x]	<250	<1	<1	<1	<3	<0.2	<1	<1	<1	<1	<1	--	--	--	--	--	--	--	--	--	--	--
MW09	105-110	92.92	10/13/11	SoundEarth	10/20/11	77.24	15.68	1,400	240[x]	<250	<1	<1	2.7	10	<0.2	22	<1	<1	16	<1	--	--	--	--	--	--	--	--	--	--	--
			09/10/13	SoundEarth	08/29/13	78.51	14.41	<100	<50	<250	<1	<1	<1	<3	<0.2	2.0	<1	<1	15	1.6	--	--	--	--	--	--	--	--	--	--	--
MW10	75-90	92.73	10/12/11	SoundEarth	10/20/11	77.14	15.59	<100	68[x]	<250	<1	<1	<1	<3	<0.2	<1	<1	<1	<1	<1	--	--	--	--	--	--	--	--	--	--	--
			12/10/12	SoundEarth	12/10/12	77.01	15.72	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			09/09/13	SoundEarth	08/29/13	78.28	14.45	<100	<50	<250	<1	<1	<1	<3	<0.2	<1	<1	<1	<1	<1	--	--	--	--	--	--	--	--	--	--	--
MW11	68-83	88.23	10/13/11	SoundEarth	10/20/11	72.43	15.80	<100	110[x]	<250	<1	<1	<1	<3	<0.2	5.6	<1	<1	2.6	21	--	--	--	--	--	--	--	--	--	--	--
			12/10/12	SoundEarth	12/10/12	72.29	15.94	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			09/09/13	SoundEarth	08/29/13	73.78	14.45	<100	97[x]	<250	<1	<1	<1	<3	<0.2	3.6	<1	<1	3.8	39	--	--	--	--	--	--	--	--	--	--	--
MW12	95-100	74.44	10/17/11	SoundEarth	10/20/11	58.71	15.73	<100	<50	<250	<1	<1	<1	<3	<0.2	1.3	<1	<1	19	<1	--	--	--	--	--	--	--	--	--	--	--
			09/09/13	SoundEarth	08/29/13	59.99	14.45	<100	<50	<250	<1	<1	<1	<3	<0.2	<1	<1	<1	20	<1	--	--	--	--	--	--	--	--	--	--	--
Boren Avenue North																														
MW04	50-65	70.69	05/27/11	SoundEarth	05/27/11	52.22	18.47	<100	<50	<250	<1	1.3	<1	<3	<0.2	<1	<1	<1	15	<1	1.7	--	--	--	--	--	--	--	--	--	--
			10/12/11	SoundEarth	10/20/11	52.82	17.87	<100	<50	<250	<1	<1	<1	<3	<0.2	<1	<1	<1	15	<1	--	--	--	--	--	--	--	--	--	--	--
			12/10/12	SoundEarth	12/10/12	52.88	17.81	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			09/09/13	SoundEarth	08/29/13	57.25	13.44	<100	<50	<250	<1	<1	<1	<3	<0.2	15	<1	<1	22	<1	--	--	--	--	--	--	--	--	--	--	--
MW05	65-80	84.04	05/27/11	SoundEarth	05/27/11	67.40	16.64	<100	<50	<250	<1	<1	<1	<3	<0.2	1.8	<1	<1	16	39	2.0	--	--	--	--	--	--	--	--	--	--
			10/12/11	SoundEarth	10/20/11	67.91	16.13	<100	<50	<250	<1	<1	<1	<3	<0.2	1.5	<1	<1	14	29	--	--	--	--	--	--	--	--	--	--	--
			12/10/12	SoundEarth	12/10/12	68.54	15.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			09/10/13	SoundEarth	08/29/13	69.72	14.32	<100	<50	<250	<1	<1	<1	<3	<0.2	1.9	<1	<1	13	21	--	--	--	--	--	--	--	--	--	--	--
MW07	55-70	74.55	05/31/11	SoundEarth	05/31/11	56.33	18.22	<100	<50	<250	<1	<1	<1	<3	<0.2	2.3	<1	<1	12	1.4	<10	--	--	--	--	--	--	--	--	--	--
			10/12/11	SoundEarth	10/20/11	56.87	17.68	<100	240[x]	<250	<1	<1	<1	<3	<0.2	1.8	<1	<1	11	2.2	--	--	--	--	--	--	--	--	--	--	--
			12/10/12	SoundEarth	12/10/12	56.96	17.59	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			09/09/13	SoundEarth	08/29/13	60.95	13.60	<100	120[x]	<250	<1	<1	<1	<3	<0.2	5.4	<1	<1	33	1.5	--	--	--	--	--	--	--	--	--	--	--
MW13	70-85	90.66	10/20/11	SoundEarth	10/20/11	74.69	15.97	<100	150[x]	<250	<1	<1	<1	<3	<0.2	<1	<1	<1	1.2	5.1	--	--	--	--	--	--	--	--	--	--	--
			12/10/12	SoundEarth	12/10/12	75.38	15.28	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			09/10/13	SoundEarth	08/29/13	76.23	14.43	<100	<50	<250	<1	<1	<1	<3	<0.2	<1	<1	<1	1.4	11	--	--	--	--	--	--	--	--	--	--	--
MTCA Cleanup Level								**1,000/800[19] [20]**	**500[20]**	**500[20]**	**5[20]**	**1,000[20]**	**700[20]**	**1,000[20]**	**0.2[20]**	**16[21]**	**160[21]**	**5[20]**	**5[20]**	**5[20]**	**N/A**	**5[20]**	**3,200[21]**	**5[20]**	**50[20]**	**15[20]**	**80[21]**	**80[21]**	**2[20]**	**N/A**

SoundEarth Strategies

Table 1
Summary of Groundwater Data
Troy Laundry Property
307 Fairview Avenue North
Seattle, Washington

Sample Location	Screen Interval[1] (feet)	TOC Elevation[2] (feet)	Sample Date	Sampled By	Date of Depth to Water Measurement	Depth to Water (feet below TOC)	Groundwater Elevation (feet)	Analytical Results (µg/L)																						
								GRPH[3]	DRPH[4]	ORPH[4]	Benzene[5]	Toluene[5]	Ethylbenzene[5]	Total Xylenes[5]	Vinyl Chloride[5]	cis-1-2-DCE[5]	trans-1-2-DCE[5]	EDC[5]	TCE[5]	PCE[5]	SVOCs[6] [7]	Total Arsenic[8]	Total Barium[9]	Total Cadmium[9]	Total Chromium[9]	Total Lead[10]	Total Selenium[11]	Total Silver[9]	Total Mercury[12]	pH[13]
Terry Avenue North																														
MW15	41-56	58.79	12/11/12	SoundEarth	12/10/12	40.78	18.01	<100	--	--	<0.35	<1	<1	<3	<0.2	<1	<1	<1	**8.2**	<1	--	--	--	--	--	--	--	--	--	--
			09/10/13	SoundEarth	08/29/13	45.37	13.42	<100	<50	<250	<1	<1	<1	<3	<0.2	<1	<1	<1	**8.6**	<1	--	--	--	--	--	--	--	--	--	--
Thomas Street																														
MW14	90-105	104.40	10/20/11	SoundEarth	10/20/11	88.81	15.59	<100	160[x]	<250	<1	<1	<1	<3	<0.2	<1	<1	<1	<1	<1	--	--	--	--	--	--	--	--	--	--
			12/10/12	SoundEarth	12/10/12	88.66	15.74	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			09/11/13	SoundEarth	08/29/13	89.99	14.41	<100	<50	<250	<1	<1	<1	<3	<0.2	<1	<1	<1	<1	<1	--	--	--	--	--	--	--	--	--	--
MW16	91-106	99.02	12/11/12	SoundEarth	12/10/12	83.19	15.83	640	--	--	<0.35	<1	<1	1.1	**0.69**	**220**	<1	<1	**12**	**16**	--	--	--	--	--	--	--	--	--	--
			09/11/13	SoundEarth	08/29/13	84.59	14.43	<100	170[x]	<250	<1	<1	<1	<3	**1.9**	**610**	<1	<1	**5.0**	**6.4**	--	--	--	--	--	--	--	--	--	--
Fairview Avenue North																														
MW-C	85-100	107.75	09/11/13	SoundEarth	08/29/13	93.32	14.43	<100	<50	<250	<1	<1	<1	<3	<0.2	<1	<1	<1	<1	<1	--	--	--	--	--	--	--	--	--	--
Harrison Street																														
MW01	45-60	68.68	05/25/11	SoundEarth	05/25/11	50.59	18.09	<100	<50	<250	<1	<1	<1	<3	<0.2	<1	<1	<1	<1	<1	<1	--	--	--	--	--	--	--	--	--
			10/11/11	SoundEarth	10/20/11	51.03	17.65	<100	<50	<250	<1	<1	<1	<3	<0.2	<1	<1	<1	<1	<1	--	--	--	--	--	--	--	--	--	--
			12/10/12	SoundEarth	12/10/12	51.24	17.44	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			09/10/13	SoundEarth	08/29/13	54.35	14.33	<100	<50	<250	<1	<1	<1	<3	<0.2	<1	<1	<1	1.4	<1	--	--	--	--	--	--	--	--	--	--
MW02	55-70	70.92	05/25/11	SoundEarth	05/25/11	54.84	16.08	<100	100[x]	<250	<1	<1	<1	<3	<0.2	<1	<1	<1	**5.2**	<1	9.3	--	--	--	--	--	--	--	--	--
			10/11/11	SoundEarth	10/20/11	55.08	15.84	<100	<50	<250	<1	<1	<1	<3	<0.2	<1	<1	<1	3.0	<1	--	--	--	--	--	--	--	--	--	--
			12/10/12	SoundEarth	12/10/12	55.27	15.65	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			09/11/13	SoundEarth	08/29/13	56.48	14.44	<100	<50	<250	<1	<1	<1	<3	<0.2	<1	<1	<1	3.6	<1	--	--	--	--	--	--	--	--	--	--
MW03	65-80	84.65	05/27/11	SoundEarth	05/27/11	68.75	15.90	<100	130[x]	<250	<1	<1	<1	<3	<0.2	<1	<1	<1	<1	<1	2.8	--	--	--	--	--	--	--	--	--
			10/11/11	SoundEarth	10/20/11	68.97	15.68	<100	<50	<250	<1	<1	<1	<3	<0.2	<1	<1	<1	<1	<1	--	--	--	--	--	--	--	--	--	--
			12/10/12	SoundEarth	12/10/12	69.21	15.44	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			09/11/13	SoundEarth	08/29/13	70.21	14.44	<100	<50	<250	<1	<1	<1	<3	<0.2	<1	<1	<1	<1	<1	--	--	--	--	--	--	--	--	--	--
SMW01	30-40	49.45	--	SoundEarth	08/29/13	36.78	12.67	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SMW02	30-40	49.26	--	SoundEarth	08/29/13	36.67	12.59	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SMW06	30-40	48.63	09/10/13	SoundEarth	08/29/13	36.39	12.24	400	130[x]	<250	<1	<1	3.5	3.7	<0.2	<1	<1	<1	<1	<1	--	--	--	--	--	--	--	--	--	--
SMW08	30-40	49.30	--	SoundEarth	08/29/13	36.69	12.61	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Westlake Avenue North																														
SMW09	30-40	48.25	09/10/13	SoundEarth	08/29/13	35.84	12.41	<100	79[x]	<250	<1	<1	<1	<3	<0.2	<1	<1	<1	<1	<1	--	--	--	--	--	--	--	--	--	--
North-Adjoining Property																														
SLU-MW01	35-45	53.43	2/29/2012[22]	SoundEarth	08/29/13	40.00	13.43	--	150	<250	--	--	--	--	<0.2	<1	<1	<1	<1	<1	--	--	--	--	--	--	--	--	--	--
SLU-MW02	30-40	52.76	2/29/2012[22]	SoundEarth	08/29/13	Dry	--	--	<50	<250	--	--	--	--	<0.2	<1	<1	<1	<1	<1	--	--	--	--	--	--	--	--	--	--
MTCA Cleanup Level								**1,000/800[19] [20]**	**500[20]**	**500[20]**	**5[20]**	**1,000[20]**	**700[20]**	**1,000[20]**	**0.2[20]**	**16[21]**	**160[21]**	**5[20]**	**5[20]**	**5[20]**	**N/A**	**5[20]**	**3,200[21]**	**5[20]**	**50[20]**	**15[20]**	**80[21]**	**80[21]**	**2[20]**	**N/A**

NOTES:

Red denotes concentrations exceeding the MTCA Method cleanup level for groundwater.

[1]Range of feet is measured from top to bottom of the screen below ground surface.

[2]TOC elevations surveyed relative to the North American Vertical Datum of 1988.

[3]Analyzed by EPA Method 418.1 or Method NWTPH-Gx.

[4]Analyzed by NWTPH-Dx. The supply well samples collected in August 2010, were passed through a silica gel column prior to analysis to remove organic interference.

[5]Analyzed by EPA Method 8260C, 8021B or 8240.

[6]Analyzed by EPA Method 8270 or 8270D.

[7]Phenol was detected in the supply well sample collected in 1994 and Dimethyl phthalate was detected in samples collected from monitoring wells MW02 through MW05. The relative concentrations are presented on this table. Phenol has a MTCA Method B cleanup level of 2,400 µg/L and Dimethyl phthalate does not have a MTCA Method A or B cleanup level.

[8]Analyzed by EPA Method 7060 or 200.8.

[9]Analyzed by EPA Method 6010 or 200.8.

[10]Analyzed by EPA Method 7421 or 200.8.

[11]Analyzed by EPA Method 7740 or 200.8.

[12]Analyzed by EPA Method 7470 or 1631E.

[13]Analyzed by EPA Method 9040c or in the field.

[14]The supply well was decommissioned on July 26, 2010, by Richardson Well Drilling of Puyallup, Washington.

[15]Reported as a concentration of total petroleum hydrocarbons.

[16]Reconnaissance groundwater sample collected at an approximate depth of 75 feet below the observed depth to water.

[17]Reconnaissance groundwater sample collected at an approximate depth of 490 feet below the observed depth to water.

[18]Samples collected on October 10, 2011.

[19]1,000 µg/L when benzene is not present and 800 µg/L when benzene is present.

[20]MTCA Method A Cleanup Levels, Table 720-1 of Section 900 of Chapter 173-340 of WAC, revised November 2007.

[21]MTCA Cleanup Regulation, Chapter 173-340 of WAC, CLARC, Groundwater, Method B, Non-Carcinogen, Standard Formula Value, CLARC Website <https://fortress.wa.gov/ecy/clarc/CLARCHome.aspx>.

[22]Sample data compiled from reports on file at the Washington State Department of Ecology.

Laboratory notes:

[x]The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

[ve]Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.

-- = not analyzed, measured, or calculated
< = not detected at a concentration exceeding laboratory reporting limit
µg/L = micrograms per liter
CLARC = Cleanup Levels and Risk Calculations
DCE = dichloroethylene
DRPH = diesel-range petroleum hydrocarbons
EDC = 1,2-Dichloroethane (ethylene dichloride)
EPA = U.S. Environmental Protection Agency
GRPH = gasoline-range petroleum hydrocarbons
MTCA = Washington State Model Toxics Control Act
N/A = not applicable
NR = not reported
NWTPH = northwest total petroleum hydrocarbons
ORPH = heavy oil-range petroleum hydrocarbons
PCE = tetrachloroethylene
RETEC = Remediation Technologies of Seattle, Washington
SoundEarth = SoundEarth Strategies, Inc.
SVOCs = semi-volatile organic compounds
TCE = trichloroethylene
TOC = top of casing
WAC = Washington Administrative Code

ATTACHMENT A
LABORATORY ANALYTICAL REPORT

Friedman & Bruya, Inc. #309188

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
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September 24, 2013

Pete Kingston, Project Manager
SoundEarth Strategies
2811 Fairview Ave. East, Suite 2000
Seattle, WA 98102

Dear Mr. Kingston:

Included are the results from the testing of material submitted on September 11, 2013 from the SOU_0731-004_20130911, F&BI 309188 project. There are 34 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
SOU0924R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on September 11, 2013 by Friedman & Bruya, Inc. from the SoundEarth Strategies SOU_0731-004_20130911, F&BI 309188 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	SoundEarth Strategies
309188 -01	MW06-20130909
309188 -02	MW04-20130909
309188 -03	MW07-20130909
309188 -04	MW10-20130909
309188 -05	MW11-20130909
309188 -06	MW12-20130909
309188 -07	SMW09-20130910
309188 -08	MW05-20130910
309188 -09	SMW06-20130910
309188 -10	MW13-20130910
309188 -11	MW15-20130910
309188 -12	MW09-20130910
309188 -13	MW01-20130910
309188 -14	MW08-20130910
309188 -15	MW02-20130911
309188 -16	MW03-20130911
309188 -17	MW14-20130911
309188 -18	MW16-20130911
309188 -19	MW99-20130911
309188 -20	MW-C-20130911

All quality control requirements were acceptable.

Date of Report: 09/24/13
Date Received: 09/11/13
Project: SOU_0731-004_20130911, F&BI 309188
Date Extracted: 09/13/13
Date Analyzed: 09/13/13 and 09/14/13

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING METHODS 8021B AND NWTPH-Gx

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 50-150)
MW06-20130909 309188-01	<1	<1	<1	<3	<100	86
MW04-20130909 309188-02	<1	<1	<1	<3	<100	86
MW07-20130909 309188-03	<1	<1	<1	<3	<100	86
MW10-20130909 309188-04	<1	<1	<1	<3	<100	84
MW11-20130909 309188-05	<1	<1	<1	<3	<100	84
MW12-20130909 309188-06	<1	<1	<1	<3	<100	74
SMW09-20130910 309188-07	<1	<1	<1	<3	<100	87
MW05-20130910 309188-08	<1	<1	<1	<3	<100	86
SMW06-20130910 309188-09	<1	<1	3.5	3.7	400	87
MW13-20130910 309188-10	<1	<1	<1	<3	<100	75
MW15-20130910 309188-11	<1	<1	<1	<3	<100	84

Date of Report: 09/24/13
Date Received: 09/11/13
Project: SOU_0731-004_20130911, F&BI 309188
Date Extracted: 09/13/13
Date Analyzed: 09/13/13 and 09/14/13

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING METHODS 8021B AND NWTPH-Gx

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 50-150)
MW09-20130910 309188-12	<1	<1	<1	<3	<100	85
MW01-20130910 309188-13	<1	<1	<1	<3	<100	86
MW08-20130910 309188-14	<1	<1	<1	<3	<100	85
MW02-20130911 309188-15	<1	<1	<1	<3	<100	75
MW03-20130911 309188-16	<1	<1	<1	<3	<100	86
MW14-20130911 309188-17	<1	<1	<1	<3	<100	86
MW16-20130911 309188-18	<1	<1	<1	<3	110	88
MW99-20130911 309188-19	<1	<1	<1	<3	120	87
MW-C-20130911 309188-20	<1	<1	<1	<3	<100	86
Method Blank 03-1802 MB	<1	<1	<1	<3	<100	85

Date of Report: 09/24/13
Date Received: 09/11/13
Project: SOU_0731-004_20130911, F&BI 309188
Date Extracted: 09/16/13
Date Analyzed: 09/16/13

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 51-134)
MW06-20130909 309188-01	150 x	<250	98
MW04-20130909 309188-02	<50	<250	111
MW07-20130909 309188-03	120 x	<250	110
MW10-20130909 309188-04	<50	<250	106
MW11-20130909 309188-05	97 x	<250	108
MW12-20130909 309188-06	<50	<250	110
SMW09-20130910 309188-07	79 x	<250	109
MW05-20130910 309188-08	<50	<250	102
SMW06-20130910 309188-09	130 x	<250	108
MW13-20130910 309188-10	<50	<250	110
MW15-20130910 309188-11	<50	<250	111

Date of Report: 09/24/13
Date Received: 09/11/13
Project: SOU_0731-004_20130911, F&BI 309188
Date Extracted: 09/16/13
Date Analyzed: 09/16/13

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 51-134)
MW09-20130910 309188-12	<50	<250	107
MW01-20130910 309188-13	<50	<250	102
MW08-20130910 309188-14	120 x	<250	105
MW02-20130911 309188-15	<50	<250	112
MW03-20130911 309188-16	<50	<250	105
MW14-20130911 309188-17	<50	<250	109
MW16-20130911 309188-18	170 x	<250	104
MW99-20130911 309188-19	460 x	<250	107
MW-C-20130911 309188-20	<50	<250	113
Method Blank 03-1821 MB	<50	<250	106

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	MW06-20130909	Client:	SoundEarth Strategies
Date Received:	09/11/13	Project:	SOU_0731-004_20130911, F&BI 309188
Date Extracted:	09/12/13	Lab ID:	309188-01
Date Analyzed:	09/12/13	Data File:	091211.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	50	150
Toluene-d8	98	50	150
4-Bromofluorobenzene	100	50	150

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	0.93
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	150
1,2-Dichloroethane (EDC)	<1
1,1,1-Trichloroethane	<1
Trichloroethene	4.5
Tetrachloroethene	3.8

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	MW04-20130909	Client:	SoundEarth Strategies
Date Received:	09/11/13	Project:	SOU_0731-004_20130911, F&BI 309188
Date Extracted:	09/12/13	Lab ID:	309188-02
Date Analyzed:	09/12/13	Data File:	091212.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	102	50	150
Toluene-d8	101	50	150
4-Bromofluorobenzene	102	50	150

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	15
1,2-Dichloroethane (EDC)	<1
1,1,1-Trichloroethane	<1
Trichloroethene	22
Tetrachloroethene	<1

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	MW07-20130909	Client:	SoundEarth Strategies
Date Received:	09/11/13	Project:	SOU_0731-004_20130911, F&BI 309188
Date Extracted:	09/12/13	Lab ID:	309188-03
Date Analyzed:	09/12/13	Data File:	091213.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	103	50	150
Toluene-d8	99	50	150
4-Bromofluorobenzene	98	50	150

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	5.4
1,2-Dichloroethane (EDC)	<1
1,1,1-Trichloroethane	<1
Trichloroethene	33
Tetrachloroethene	1.5

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	MW10-20130909	Client:	SoundEarth Strategies
Date Received:	09/11/13	Project:	SOU_0731-004_20130911, F&BI 309188
Date Extracted:	09/12/13	Lab ID:	309188-04
Date Analyzed:	09/12/13	Data File:	091214.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	50	150
Toluene-d8	99	50	150
4-Bromofluorobenzene	101	50	150

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

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	MW11-20130909	Client:	SoundEarth Strategies
Date Received:	09/11/13	Project:	SOU_0731-004_20130911, F&BI 309188
Date Extracted:	09/12/13	Lab ID:	309188-05
Date Analyzed:	09/12/13	Data File:	091215.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	98	50	150
Toluene-d8	101	50	150
4-Bromofluorobenzene	101	50	150

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	3.6
1,2-Dichloroethane (EDC)	<1
1,1,1-Trichloroethane	<1
Trichloroethene	3.8
Tetrachloroethene	39

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	MW12-20130909	Client:	SoundEarth Strategies
Date Received:	09/11/13	Project:	SOU_0731-004_20130911, F&BI 309188
Date Extracted:	09/12/13	Lab ID:	309188-06
Date Analyzed:	09/12/13	Data File:	091216.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	50	150
Toluene-d8	100	50	150
4-Bromofluorobenzene	102	50	150

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	20
Tetrachloroethene	<1

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	SMW09-20130910	Client:	SoundEarth Strategies
Date Received:	09/11/13	Project:	SOU_0731-004_20130911, F&BI 309188
Date Extracted:	09/12/13	Lab ID:	309188-07
Date Analyzed:	09/12/13	Data File:	091217.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	99	50	150
Toluene-d8	100	50	150
4-Bromofluorobenzene	102	50	150

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

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	MW05-20130910	Client:	SoundEarth Strategies
Date Received:	09/11/13	Project:	SOU_0731-004_20130911, F&BI 309188
Date Extracted:	09/12/13	Lab ID:	309188-08
Date Analyzed:	09/12/13	Data File:	091218.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	102	50	150
Toluene-d8	99	50	150
4-Bromofluorobenzene	101	50	150

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	1.9
1,2-Dichloroethane (EDC)	<1
1,1,1-Trichloroethane	<1
Trichloroethene	13
Tetrachloroethene	21

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	SMW06-20130910	Client:	SoundEarth Strategies
Date Received:	09/11/13	Project:	SOU_0731-004_20130911, F&BI 309188
Date Extracted:	09/12/13	Lab ID:	309188-09
Date Analyzed:	09/12/13	Data File:	091219.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	99	50	150
Toluene-d8	103	50	150
4-Bromofluorobenzene	102	50	150

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

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	MW13-20130910	Client:	SoundEarth Strategies
Date Received:	09/11/13	Project:	SOU_0731-004_20130911, F&BI 309188
Date Extracted:	09/12/13	Lab ID:	309188-10
Date Analyzed:	09/12/13	Data File:	091220.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	102	50	150
Toluene-d8	97	50	150
4-Bromofluorobenzene	98	50	150

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	1.4
Tetrachloroethene	11

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	MW15-20130910	Client:	SoundEarth Strategies
Date Received:	09/11/13	Project:	SOU_0731-004_20130911, F&BI 309188
Date Extracted:	09/12/13	Lab ID:	309188-11
Date Analyzed:	09/12/13	Data File:	091221.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	50	150
Toluene-d8	102	50	150
4-Bromofluorobenzene	103	50	150

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	8.6
Tetrachloroethene	<1

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	MW09-20130910	Client:	SoundEarth Strategies
Date Received:	09/11/13	Project:	SOU_0731-004_20130911, F&BI 309188
Date Extracted:	09/12/13	Lab ID:	309188-12
Date Analyzed:	09/12/13	Data File:	091222.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	50	150
Toluene-d8	96	50	150
4-Bromofluorobenzene	97	50	150

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	2.0
1,2-Dichloroethane (EDC)	<1
1,1,1-Trichloroethane	<1
Trichloroethene	15
Tetrachloroethene	1.6

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	MW01-20130910	Client:	SoundEarth Strategies
Date Received:	09/11/13	Project:	SOU_0731-004_20130911, F&BI 309188
Date Extracted:	09/12/13	Lab ID:	309188-13
Date Analyzed:	09/12/13	Data File:	091223.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	50	150
Toluene-d8	100	50	150
4-Bromofluorobenzene	102	50	150

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	1.4
Tetrachloroethene	<1

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	MW08-20130910	Client:	SoundEarth Strategies
Date Received:	09/11/13	Project:	SOU_0731-004_20130911, F&BI 309188
Date Extracted:	09/12/13	Lab ID:	309188-14
Date Analyzed:	09/12/13	Data File:	091224.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	50	150
Toluene-d8	99	50	150
4-Bromofluorobenzene	100	50	150

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

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	MW02-20130911	Client:	SoundEarth Strategies
Date Received:	09/11/13	Project:	SOU_0731-004_20130911, F&BI 309188
Date Extracted:	09/12/13	Lab ID:	309188-15
Date Analyzed:	09/12/13	Data File:	091225.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	102	50	150
Toluene-d8	99	50	150
4-Bromofluorobenzene	101	50	150

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	3.6
Tetrachloroethene	<1

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	MW03-20130911	Client:	SoundEarth Strategies
Date Received:	09/11/13	Project:	SOU_0731-004_20130911, F&BI 309188
Date Extracted:	09/12/13	Lab ID:	309188-16
Date Analyzed:	09/12/13	Data File:	091226.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	98	50	150
Toluene-d8	100	50	150
4-Bromofluorobenzene	101	50	150

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

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	MW14-20130911	Client:	SoundEarth Strategies
Date Received:	09/11/13	Project:	SOU_0731-004_20130911, F&BI 309188
Date Extracted:	09/12/13	Lab ID:	309188-17
Date Analyzed:	09/12/13	Data File:	091227.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	103	50	150
Toluene-d8	99	50	150
4-Bromofluorobenzene	99	50	150

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

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	MW16-20130911	Client:	SoundEarth Strategies
Date Received:	09/11/13	Project:	SOU_0731-004_20130911, F&BI 309188
Date Extracted:	09/12/13	Lab ID:	309188-18
Date Analyzed:	09/12/13	Data File:	091228.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	99	50	150
Toluene-d8	100	50	150
4-Bromofluorobenzene	102	50	150

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	1.9
Chloroethane	<1
1,1-Dichloroethene	1.2
Methylene chloride	<5
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	610 ve
1,2-Dichloroethane (EDC)	<1
1,1,1-Trichloroethane	<1
Trichloroethene	5.0
Tetrachloroethene	6.4

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	MW16-20130911	Client:	SoundEarth Strategies
Date Received:	09/11/13	Project:	SOU_0731-004_20130911, F&BI 309188
Date Extracted:	09/12/13	Lab ID:	309188-18 1/10
Date Analyzed:	09/13/13	Data File:	091318.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	99	50	150
Toluene-d8	97	50	150
4-Bromofluorobenzene	99	50	150

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<2
Chloroethane	<10
1,1-Dichloroethene	<10
Methylene chloride	<50
trans-1,2-Dichloroethene	<10
1,1-Dichloroethane	<10
cis-1,2-Dichloroethene	610
1,2-Dichloroethane (EDC)	<10
1,1,1-Trichloroethane	<10
Trichloroethene	<10
Tetrachloroethene	<10

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	MW99-20130911	Client:	SoundEarth Strategies
Date Received:	09/11/13	Project:	SOU_0731-004_20130911, F&BI 309188
Date Extracted:	09/12/13	Lab ID:	309188-19
Date Analyzed:	09/12/13	Data File:	091229.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	50	150
Toluene-d8	97	50	150
4-Bromofluorobenzene	98	50	150

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	2.0
Chloroethane	<1
1,1-Dichloroethene	1.2
Methylene chloride	<5
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	630 ve
1,2-Dichloroethane (EDC)	<1
1,1,1-Trichloroethane	<1
Trichloroethene	4.9
Tetrachloroethene	6.2

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	MW99-20130911	Client:	SoundEarth Strategies
Date Received:	09/11/13	Project:	SOU_0731-004_20130911, F&BI 309188
Date Extracted:	09/12/13	Lab ID:	309188-19 1/10
Date Analyzed:	09/13/13	Data File:	091319.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	50	150
Toluene-d8	99	50	150
4-Bromofluorobenzene	102	50	150

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<2
Chloroethane	<10
1,1-Dichloroethene	<10
Methylene chloride	<50
trans-1,2-Dichloroethene	<10
1,1-Dichloroethane	<10
cis-1,2-Dichloroethene	560
1,2-Dichloroethane (EDC)	<10
1,1,1-Trichloroethane	<10
Trichloroethene	<10
Tetrachloroethene	<10

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	MW-C-20130911	Client:	SoundEarth Strategies
Date Received:	09/11/13	Project:	SOU_0731-004_20130911, F&BI 309188
Date Extracted:	09/12/13	Lab ID:	309188-20
Date Analyzed:	09/12/13	Data File:	091235.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	50	150
Toluene-d8	97	50	150
4-Bromofluorobenzene	97	50	150

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

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	SoundEarth Strategies
Date Received:	NA	Project:	SOU_0731-004_20130911, F&BI 309188
Date Extracted:	09/12/13	Lab ID:	03-1720 mb
Date Analyzed:	09/12/13	Data File:	091207.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	99	50	150
Toluene-d8	97	50	150
4-Bromofluorobenzene	96	50	150

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

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	SoundEarth Strategies
Date Received:	NA	Project:	SOU_0731-004_20130911, F&BI 309188
Date Extracted:	09/12/13	Lab ID:	03-1721 mb
Date Analyzed:	09/12/13	Data File:	091234.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	50	150
Toluene-d8	97	50	150
4-Bromofluorobenzene	95	50	150

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

Date of Report: 09/24/13
Date Received: 09/11/13
Project: SOU_0731-004_20130911, F&BI 309188

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Laboratory Code: 309188-04 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	RPD (Limit 20)
Benzene	ug/L (ppb)	<1	<1	nm
Toluene	ug/L (ppb)	<1	<1	nm
Ethylbenzene	ug/L (ppb)	<1	<1	nm
Xylenes	ug/L (ppb)	<3	<3	nm
Gasoline	ug/L (ppb)	<100	<100	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	ug/L (ppb)	50	90	72-119
Toluene	ug/L (ppb)	50	90	71-113
Ethylbenzene	ug/L (ppb)	50	91	72-114
Xylenes	ug/L (ppb)	150	83	72-113
Gasoline	ug/L (ppb)	1,000	97	70-119

Date of Report: 09/24/13
Date Received: 09/11/13
Project: SOU_0731-004_20130911, F&BI 309188

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	ug/L (ppb)	2,500	85	94	58-134	10

Date of Report: 09/24/13
Date Received: 09/11/13
Project: SOU_0731-004_20130911, F&BI 309188

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

Laboratory Code: 309188-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Vinyl chloride	ug/L (ppb)	50	0.93	89	61-139
Chloroethane	ug/L (ppb)	50	<1	87	68-126
1,1-Dichloroethene	ug/L (ppb)	50	<1	96	71-123
Methylene chloride	ug/L (ppb)	50	<5	87	61-126
trans-1,2-Dichloroethene	ug/L (ppb)	50	<1	97	72-122
1,1-Dichloroethane	ug/L (ppb)	50	<1	98	79-113
cis-1,2-Dichloroethene	ug/L (ppb)	50	150	87 b	73-119
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	<1	99	78-113
1,1,1-Trichloroethane	ug/L (ppb)	50	<1	98	79-116
Trichloroethene	ug/L (ppb)	50	4.5	100	75-109
Tetrachloroethene	ug/L (ppb)	50	3.8	97	72-113

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	94	91	73-132	3
Chloroethane	ug/L (ppb)	50	95	92	68-126	3
1,1-Dichloroethene	ug/L (ppb)	50	98	97	75-119	1
Methylene chloride	ug/L (ppb)	50	92	91	63-132	1
trans-1,2-Dichloroethene	ug/L (ppb)	50	100	98	76-118	2
1,1-Dichloroethane	ug/L (ppb)	50	101	99	80-116	2
cis-1,2-Dichloroethene	ug/L (ppb)	50	102	101	81-111	1
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	99	100	79-109	1
1,1,1-Trichloroethane	ug/L (ppb)	50	104	103	80-116	1
Trichloroethene	ug/L (ppb)	50	101	102	77-108	1
Tetrachloroethene	ug/L (ppb)	50	98	98	78-109	0

Date of Report: 09/24/13
Date Received: 09/11/13
Project: SOU_0731-004_20130911, F&BI 309188

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

Laboratory Code: 309205-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Vinyl chloride	ug/L (ppb)	50	<0.2	87	61-139
Chloroethane	ug/L (ppb)	50	<1	89	68-126
1,1-Dichloroethene	ug/L (ppb)	50	<1	94	71-123
Methylene chloride	ug/L (ppb)	50	<5	89	61-126
trans-1,2-Dichloroethene	ug/L (ppb)	50	<1	96	72-122
1,1-Dichloroethane	ug/L (ppb)	50	<1	98	79-113
cis-1,2-Dichloroethene	ug/L (ppb)	50	<1	98	73-119
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	<1	99	78-113
1,1,1-Trichloroethane	ug/L (ppb)	50	<1	100	79-116
Trichloroethene	ug/L (ppb)	50	<1	100	75-109
Tetrachloroethene	ug/L (ppb)	50	<1	98	72-113

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	84	73-132	2
Chloroethane	ug/L (ppb)	50	86	85	68-126	1
1,1-Dichloroethene	ug/L (ppb)	50	92	91	75-119	1
Methylene chloride	ug/L (ppb)	50	86	86	63-132	0
trans-1,2-Dichloroethene	ug/L (ppb)	50	94	93	76-118	1
1,1-Dichloroethane	ug/L (ppb)	50	96	95	80-116	1
cis-1,2-Dichloroethene	ug/L (ppb)	50	97	96	81-111	1
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	97	98	79-109	1
1,1,1-Trichloroethane	ug/L (ppb)	50	99	99	80-116	0
Trichloroethene	ug/L (ppb)	50	97	98	77-108	1
Tetrachloroethene	ug/L (ppb)	50	97	95	78-109	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 - Analyte present in the blank and the sample.

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 - Analysis performed outside the method or client-specified holding time requirement.

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.

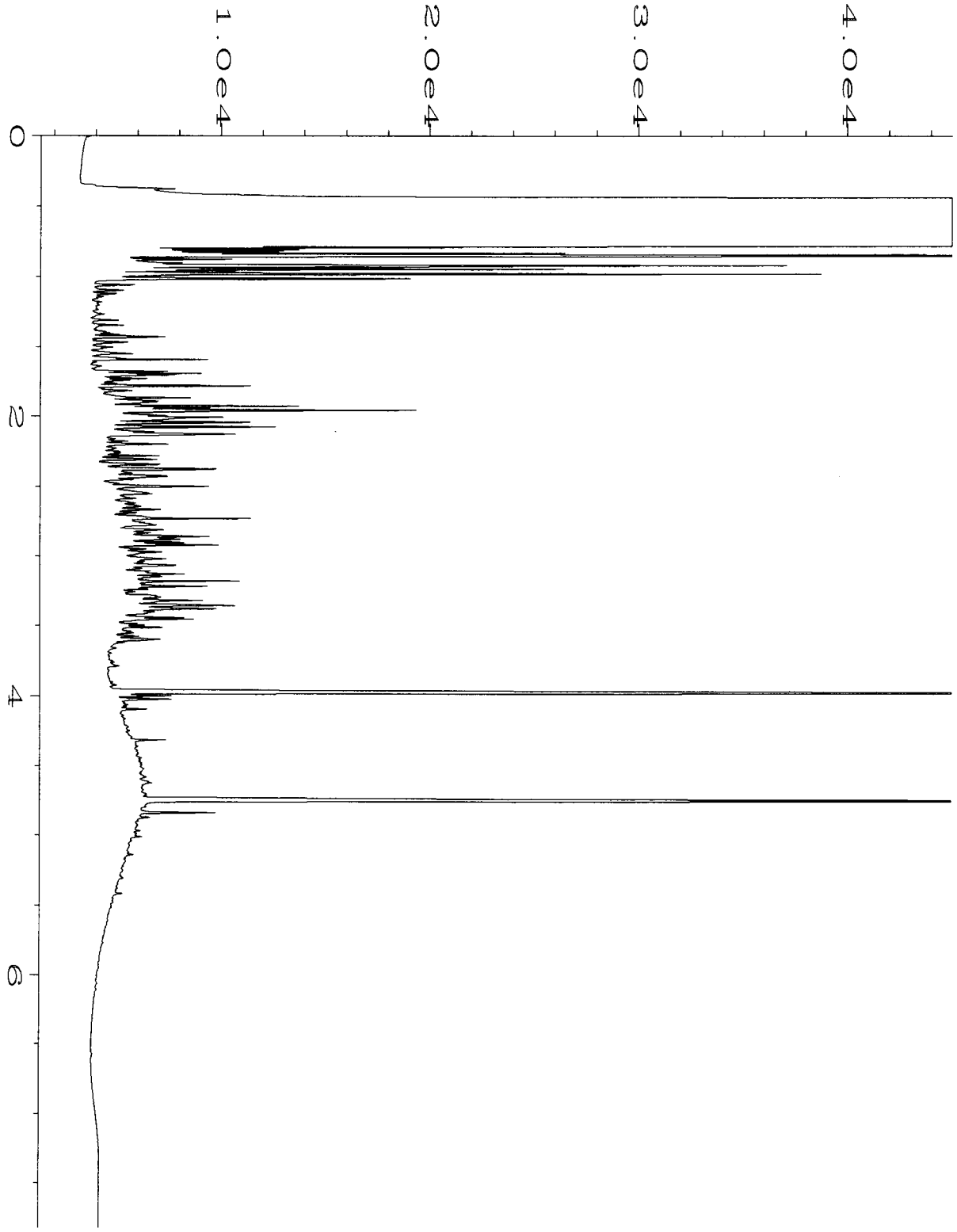
pc – The sample was received in a container not approved by the method. The value reported should be considered an estimate.

pr – The sample was received with incorrect preservation. The value reported should be considered an estimate.

ve - Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.



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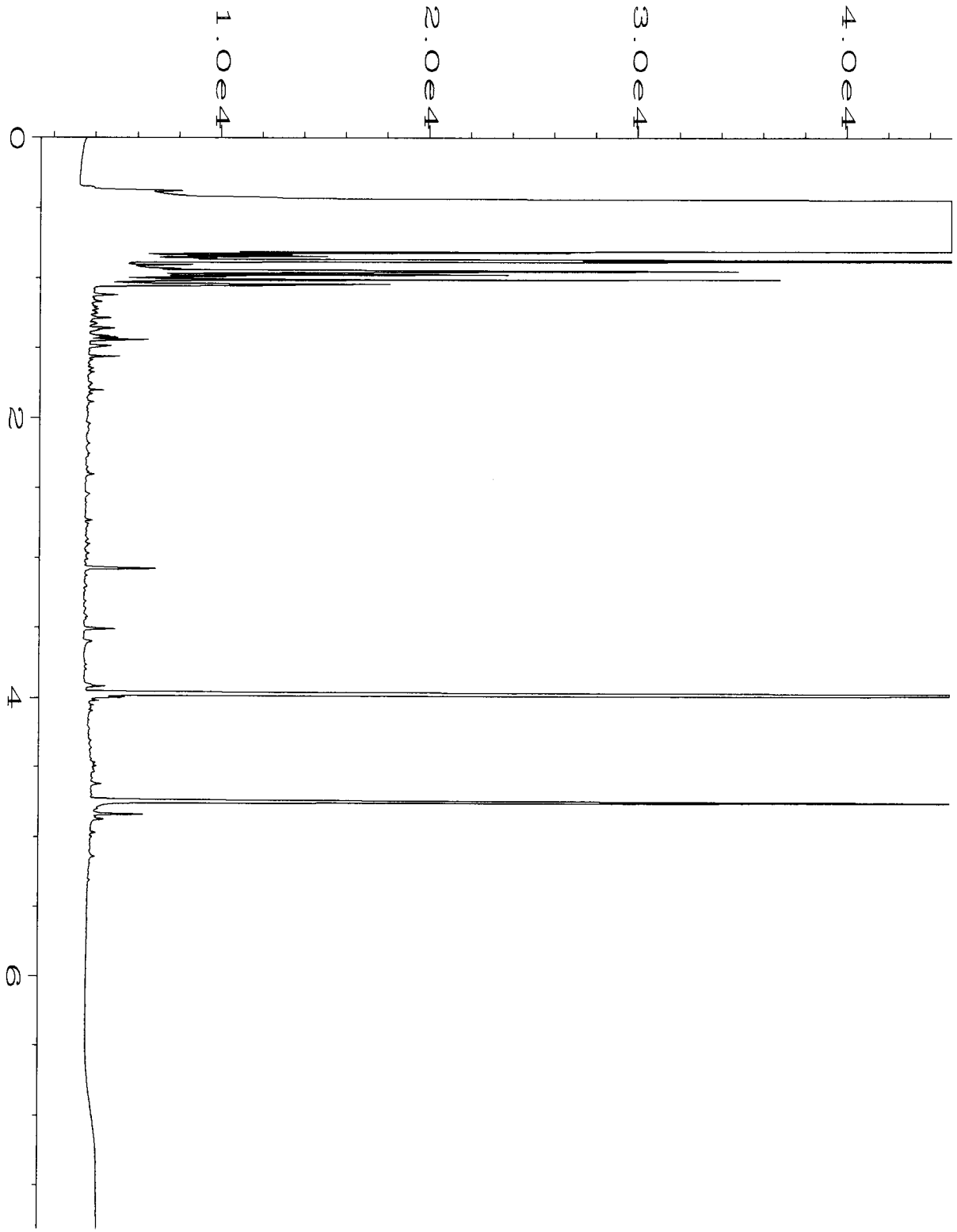
Report Created on	: 17 Sep 13 08:53 AM	Analysis Method	: DX.MTH



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Operator : mwdl
Instrument : GC #6
Sample Name : 309188-02
Run Time Bar Code:
Acquired on : 16 Sep 13 04:26 PM
Report Created on: 17 Sep 13 08:53 AM

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Injection Number : 1
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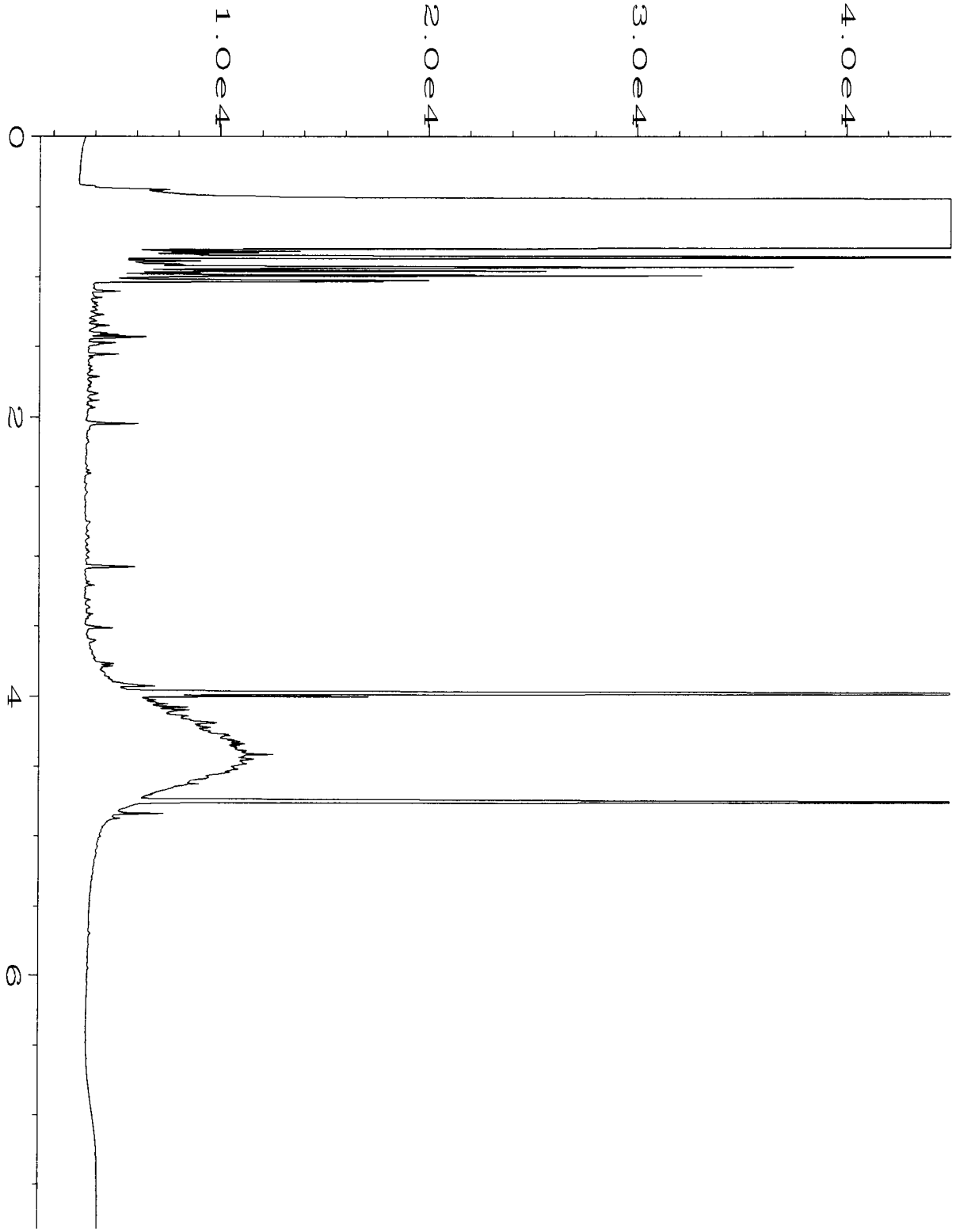
Instrument Method: DX.MTH
Analysis Method : DX.MTH



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Instrument	: GC #6	Vial Number	: 34
Sample Name	: 309188-03	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 6
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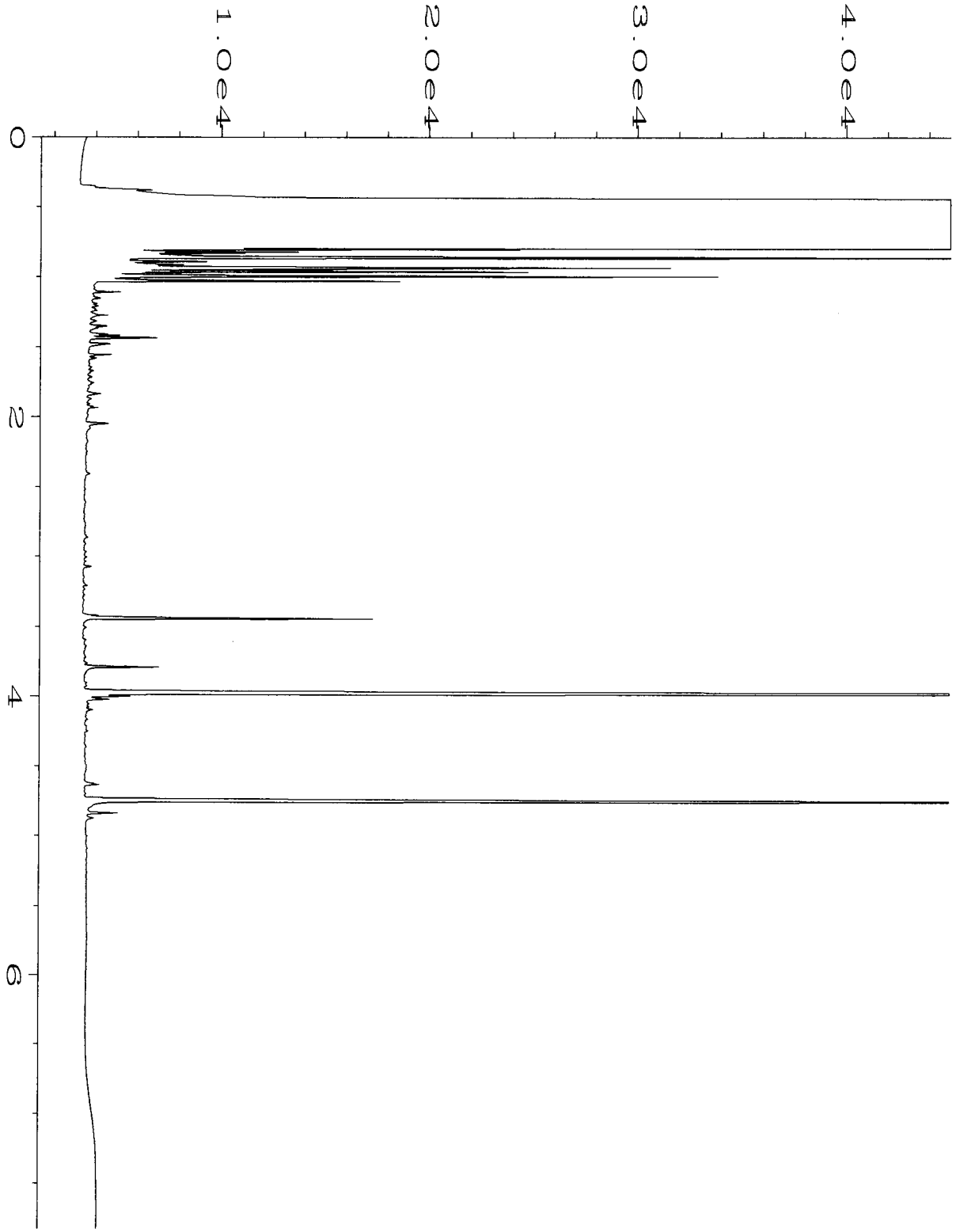
Report Created on	: 17 Sep 13 08:54 AM	Analysis Method	: DX.MTH



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Operator	: mwdl	Page Number	: 1
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Sample Name	: 309188-04	Injection Number	: 1
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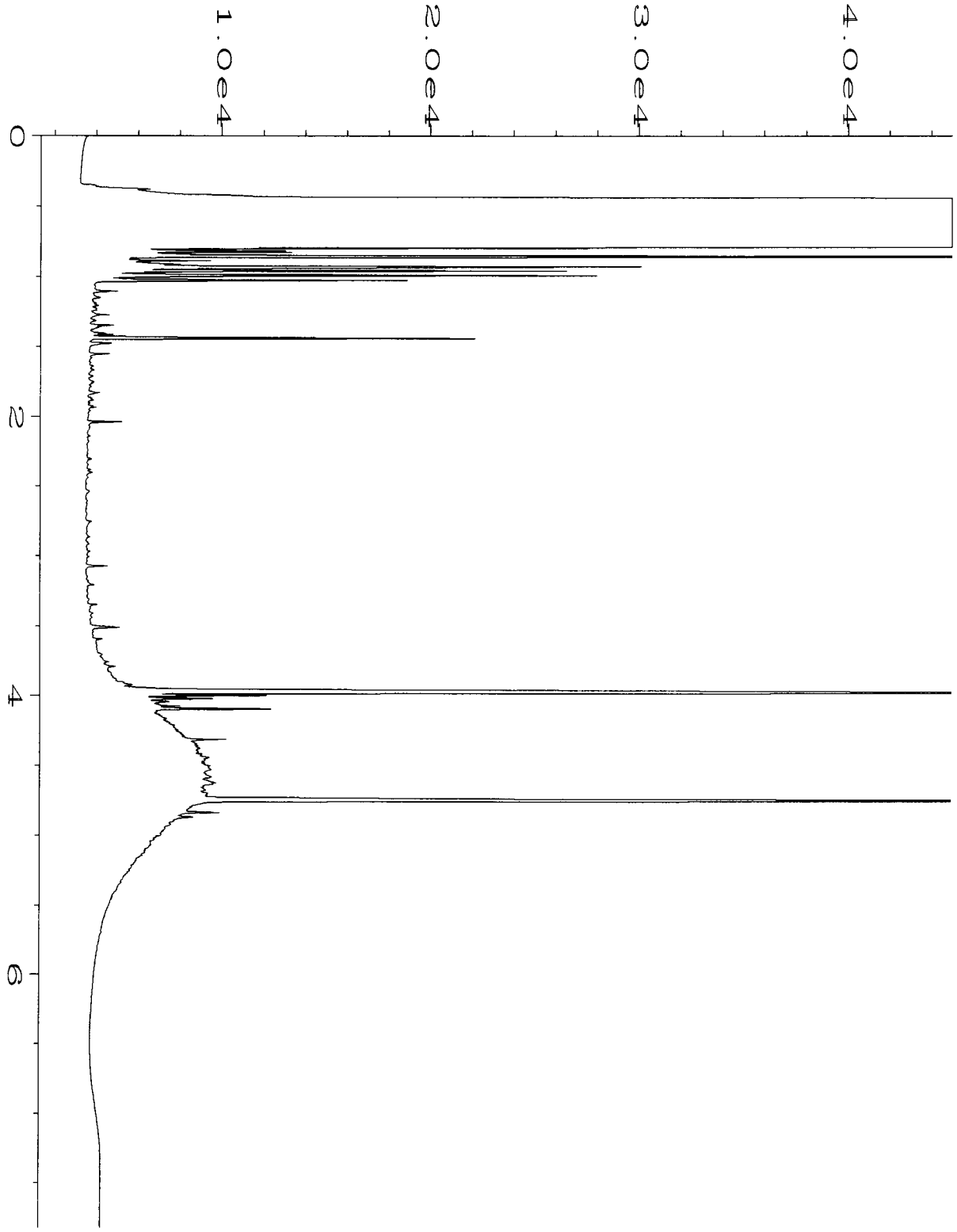

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Instrument	: GC #6	Vial Number	: 36
Sample Name	: 309188-05	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 6
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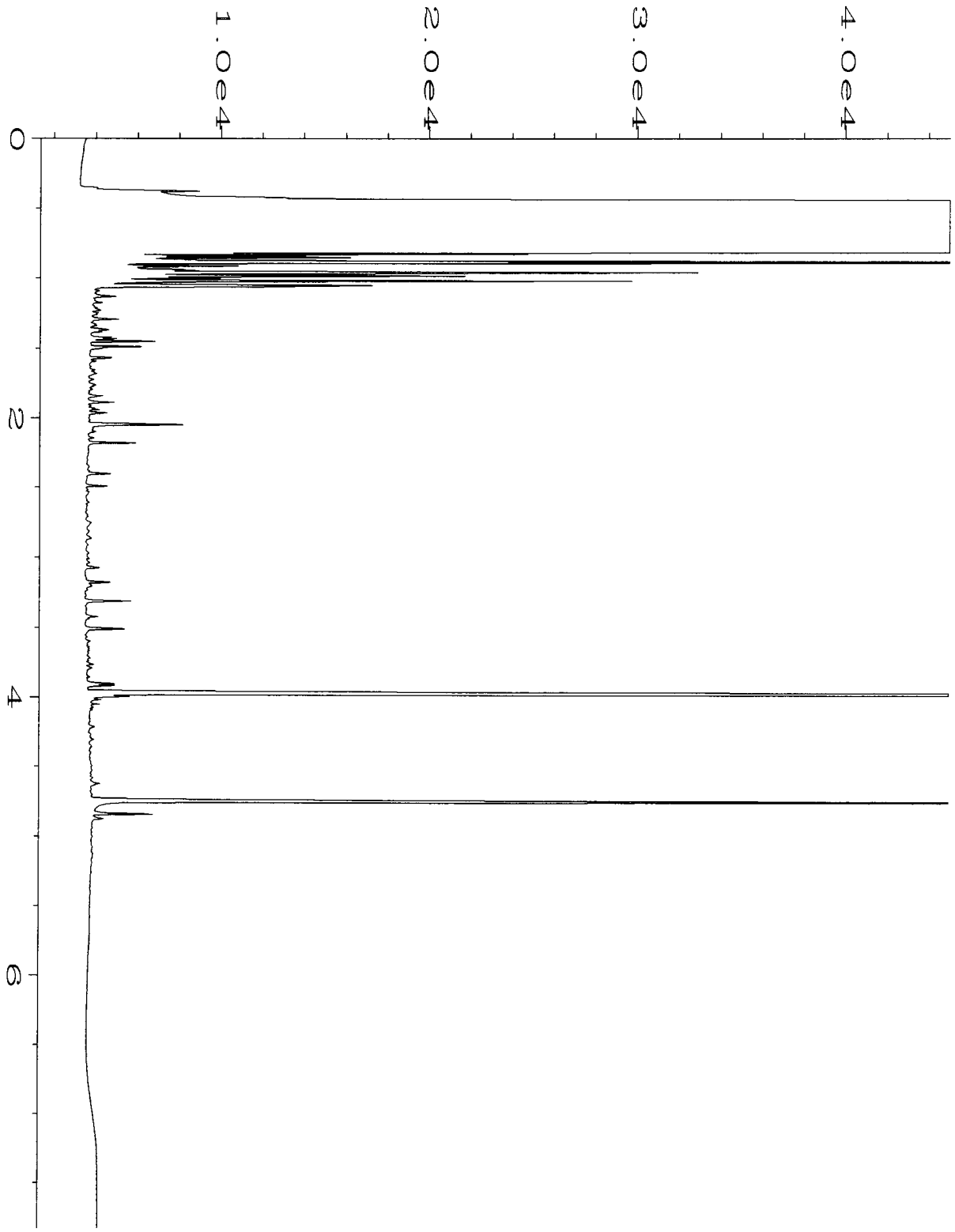

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Sample Name	: 309188-06	Injection Number	: 1
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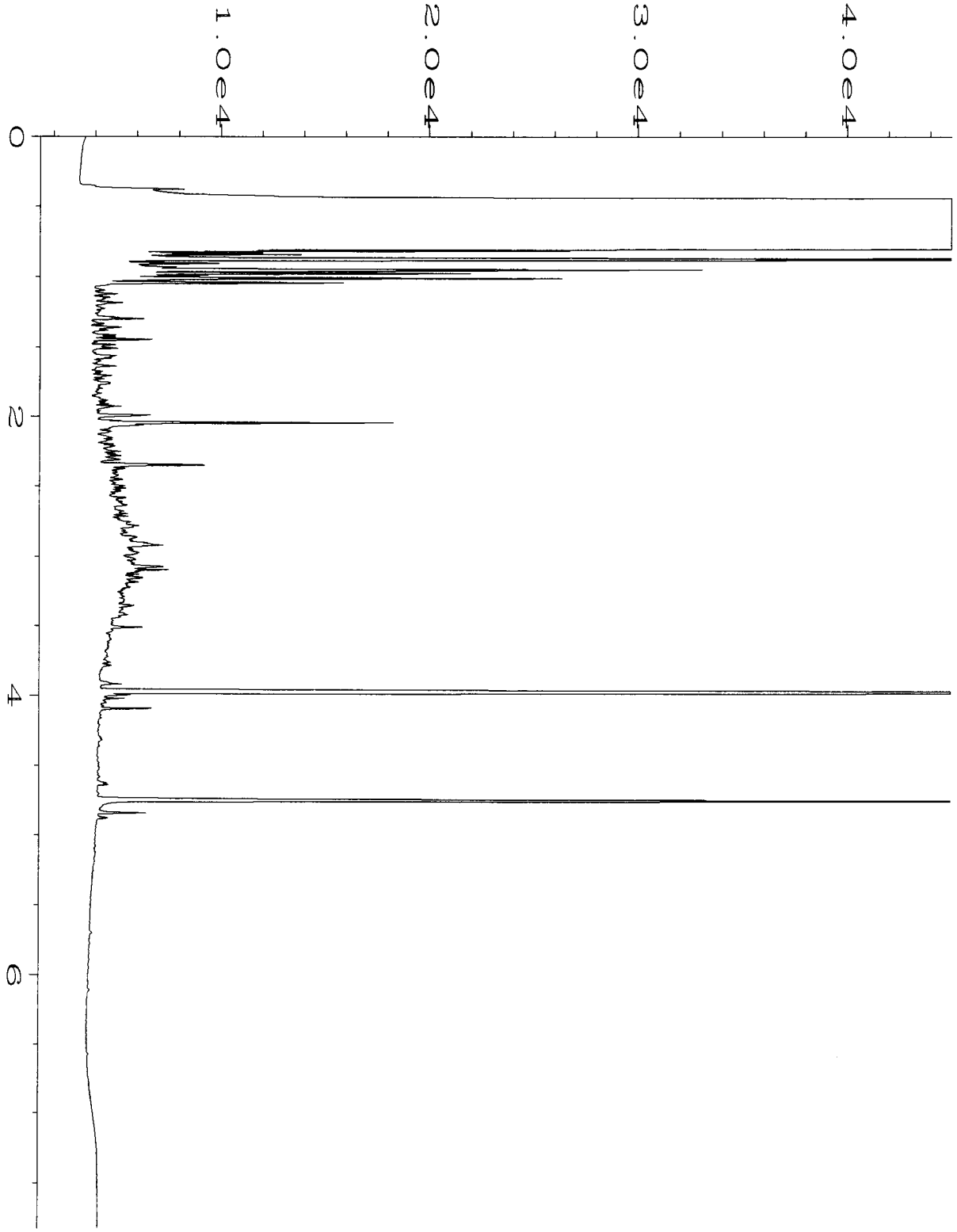

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Operator	: mwdl	Page Number	: 1
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Sample Name	: 309188-07	Injection Number	: 1
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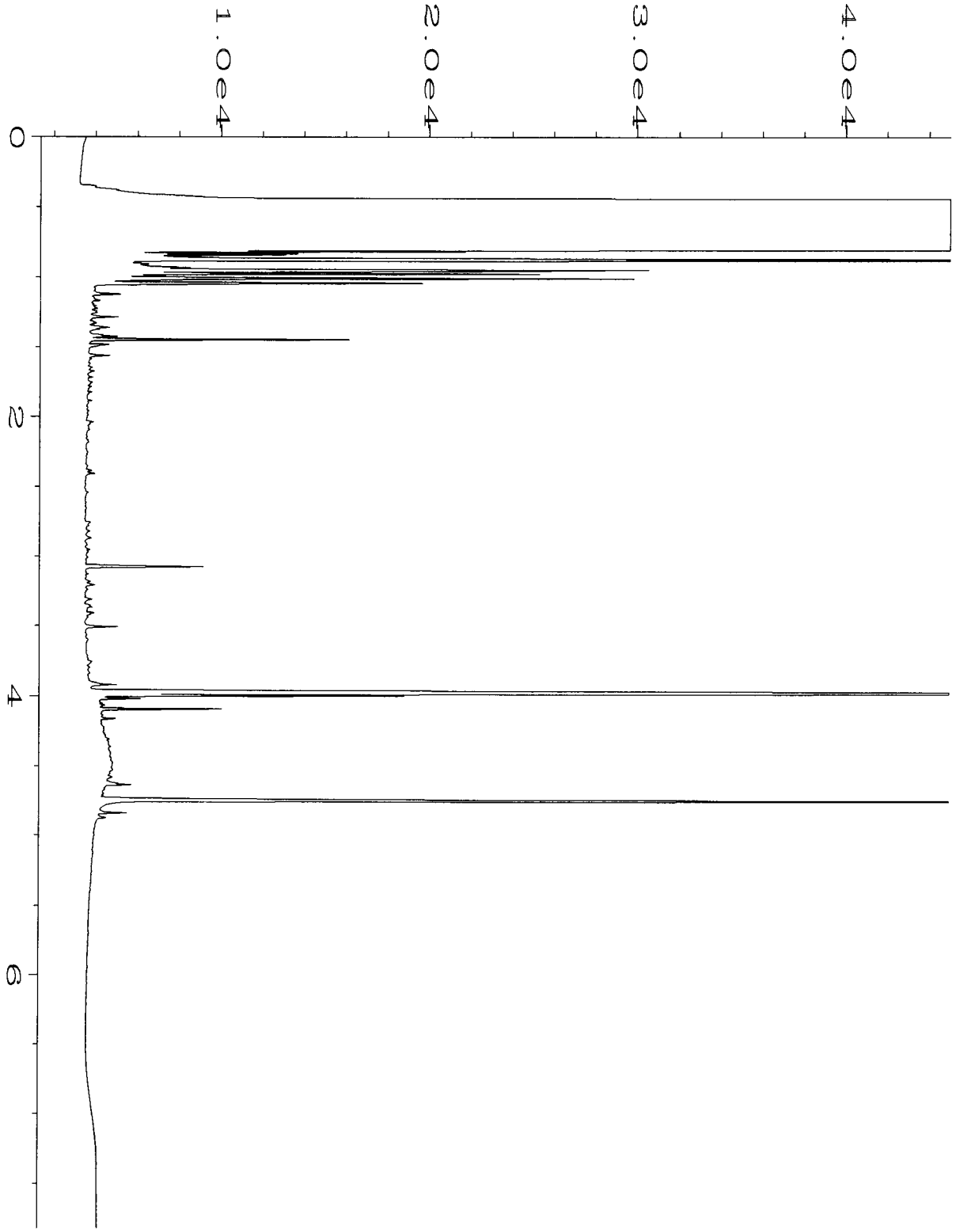

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Instrument : GC #6
Sample Name : 309188-08
Run Time Bar Code:
Acquired on : 16 Sep 13 05:43 PM
Report Created on: 17 Sep 13 08:54 AM

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Sequence Line : 6
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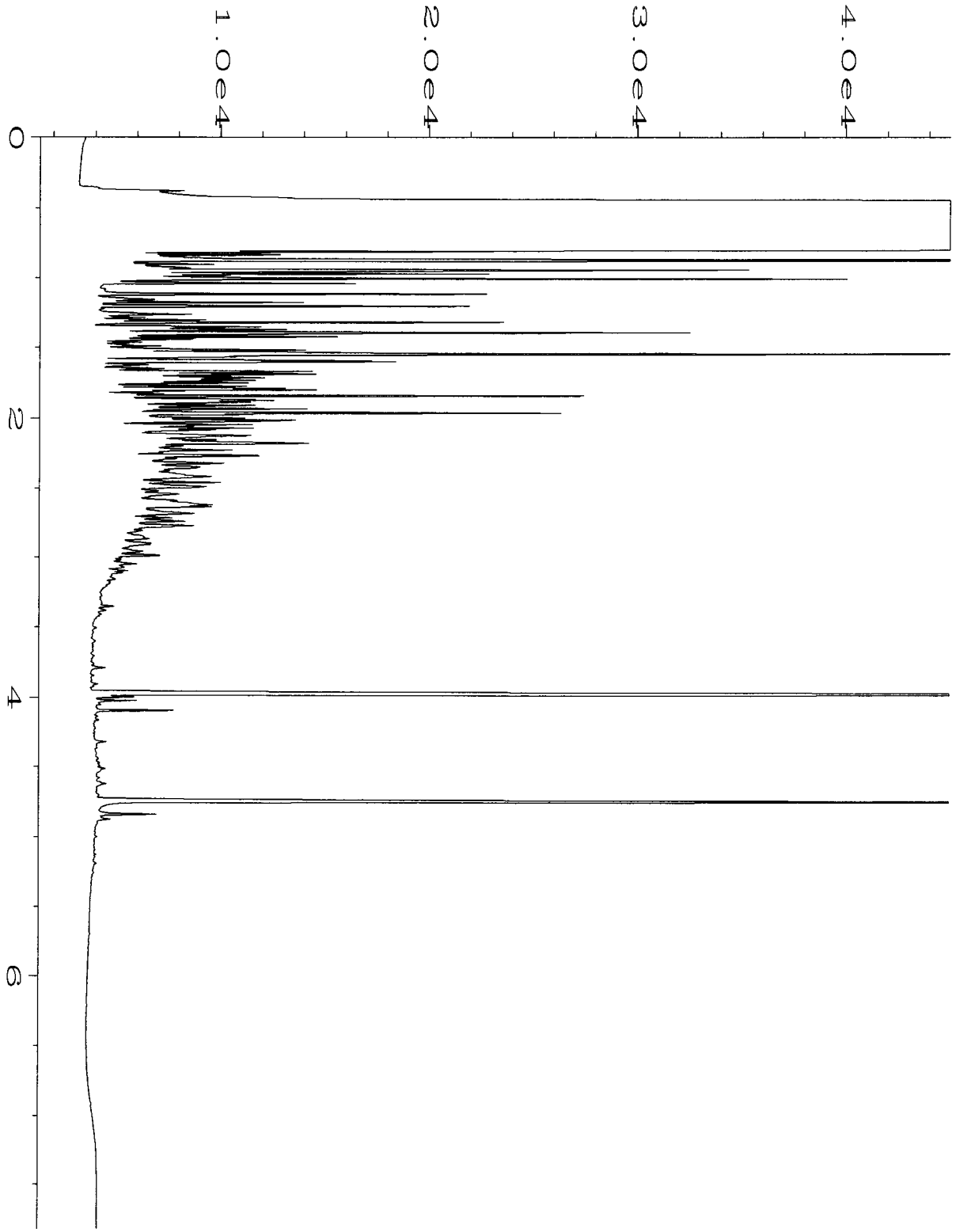
Analysis Method : DX.MTH



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Instrument : GC #6
Sample Name : 309188-09
Run Time Bar Code:
Acquired on : 16 Sep 13 05:56 PM
Report Created on: 17 Sep 13 08:54 AM

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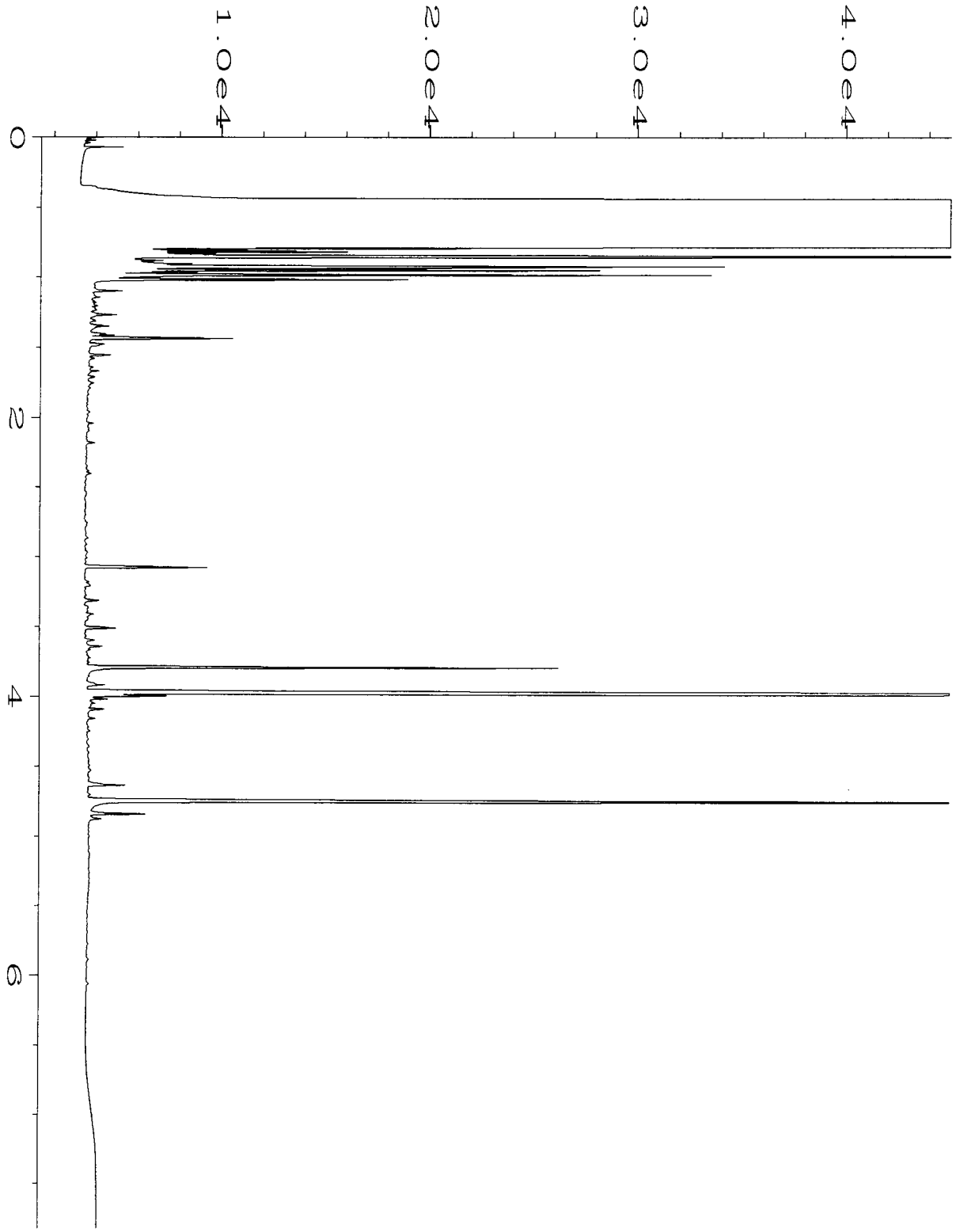
Analysis Method : DX.MTH



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Operator : mwdl
Instrument : GC #6
Sample Name : 309188-10
Run Time Bar Code:
Acquired on : 16 Sep 13 06:08 PM
Report Created on: 17 Sep 13 08:54 AM

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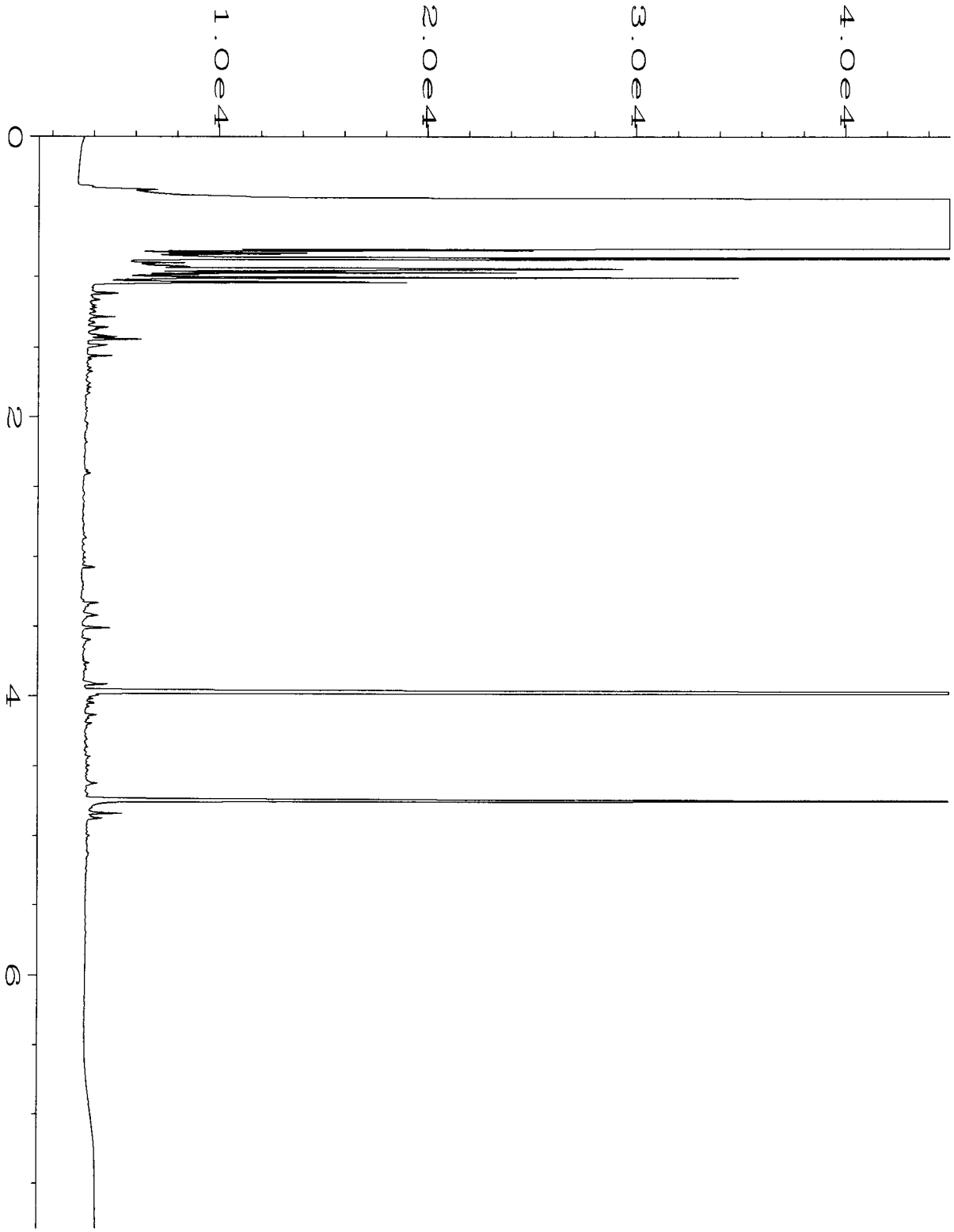
Analysis Method : DX.MTH



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Sample Name	: 309188-11	Injection Number	: 1
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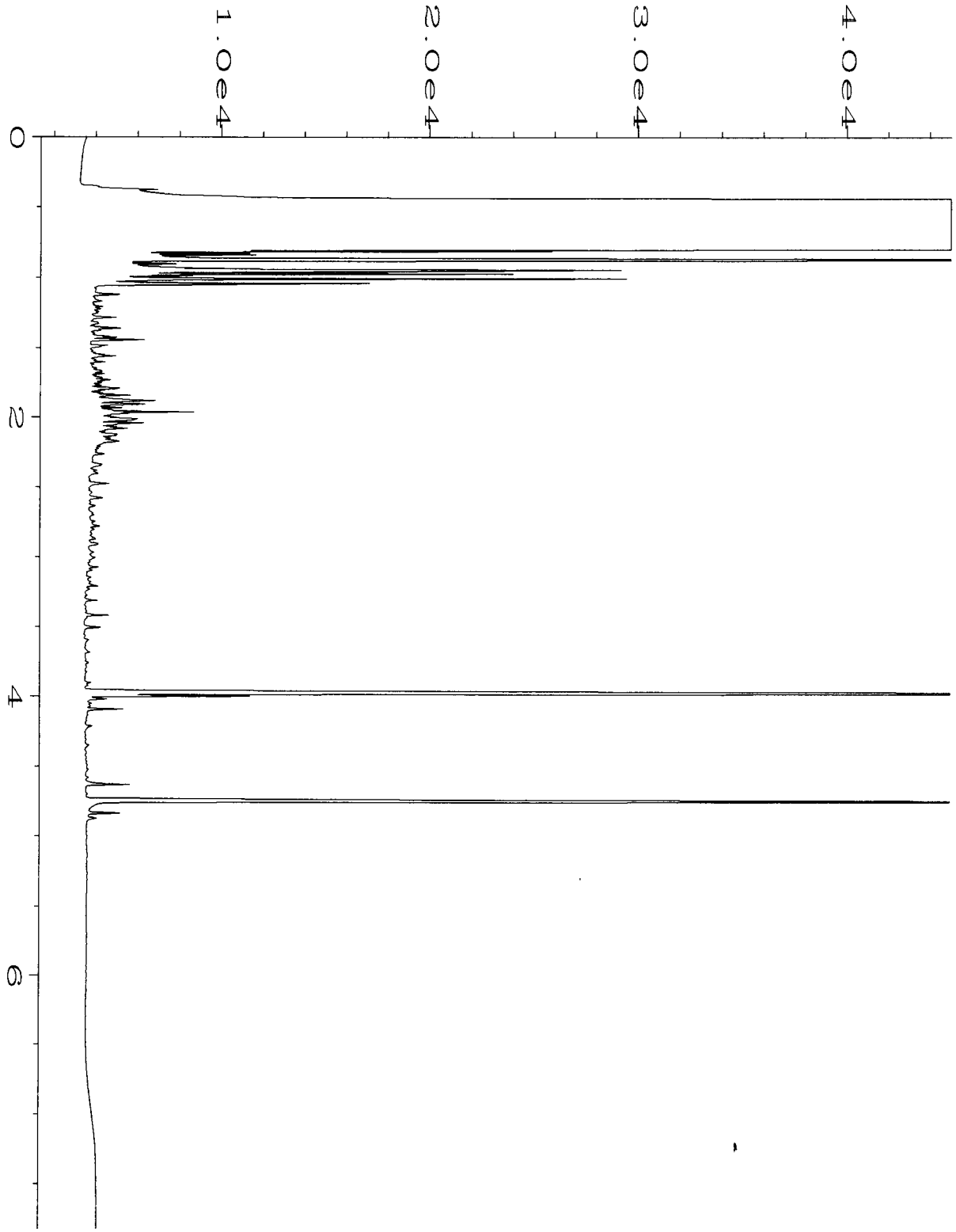

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Sample Name	: 309188-12	Injection Number	: 1
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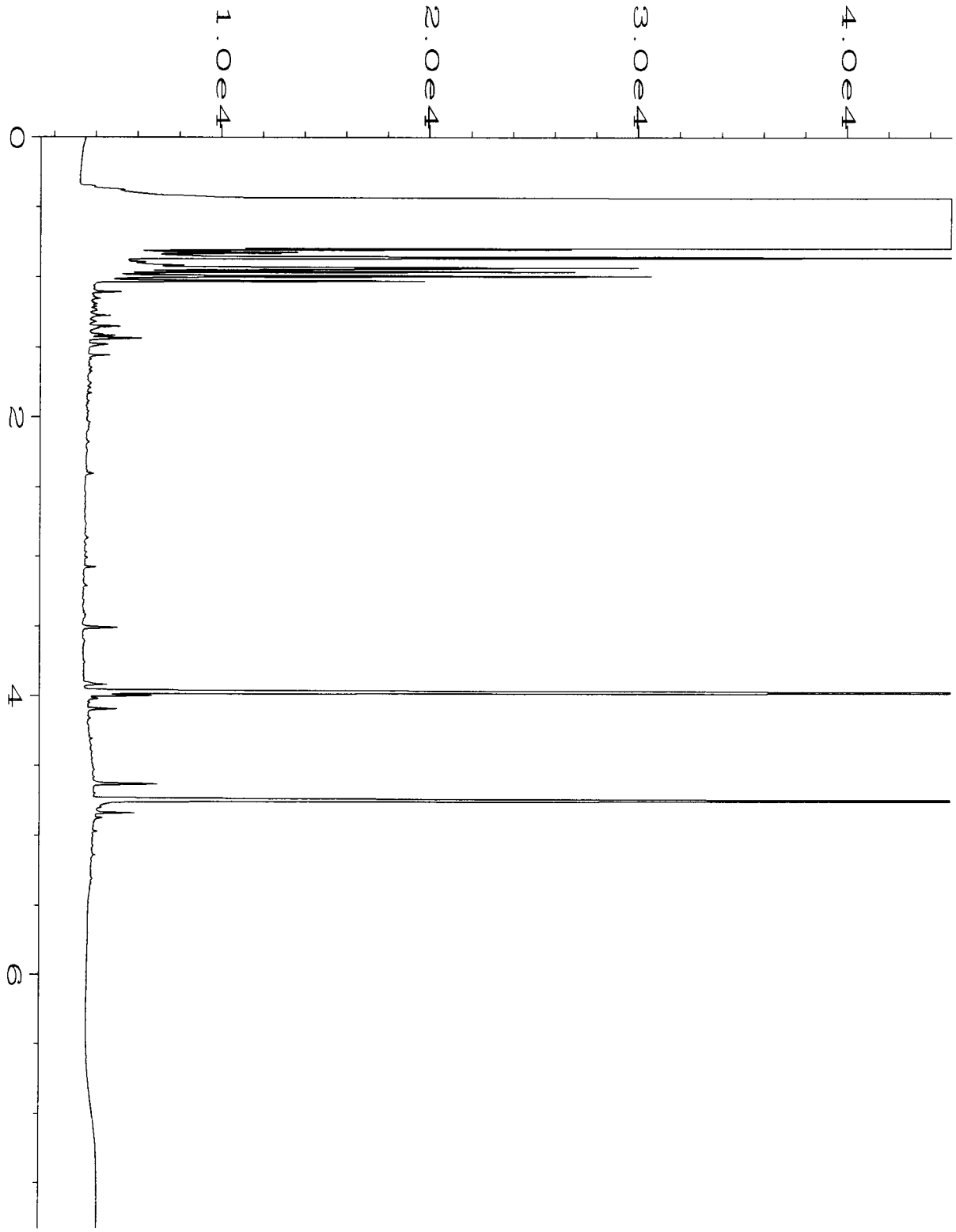

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Sample Name	: 309188-13	Injection Number	: 1
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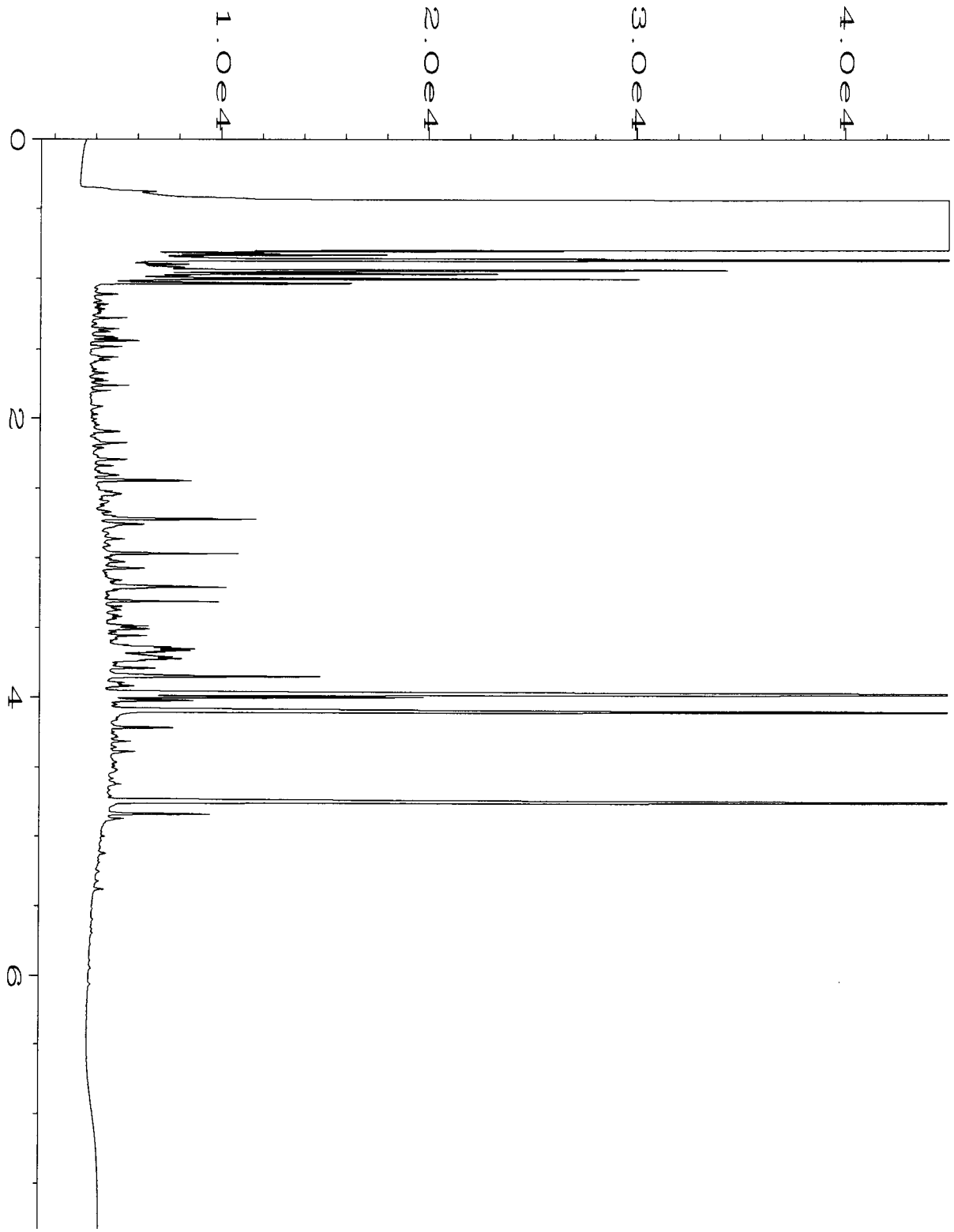

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Operator : mwdl
Instrument : GC #6
Sample Name : 309188-14
Run Time Bar Code:
Acquired on : 16 Sep 13 06:59 PM
Report Created on: 17 Sep 13 08:55 AM

Page Number : 1
Vial Number : 45
Injection Number : 1
Sequence Line : 6
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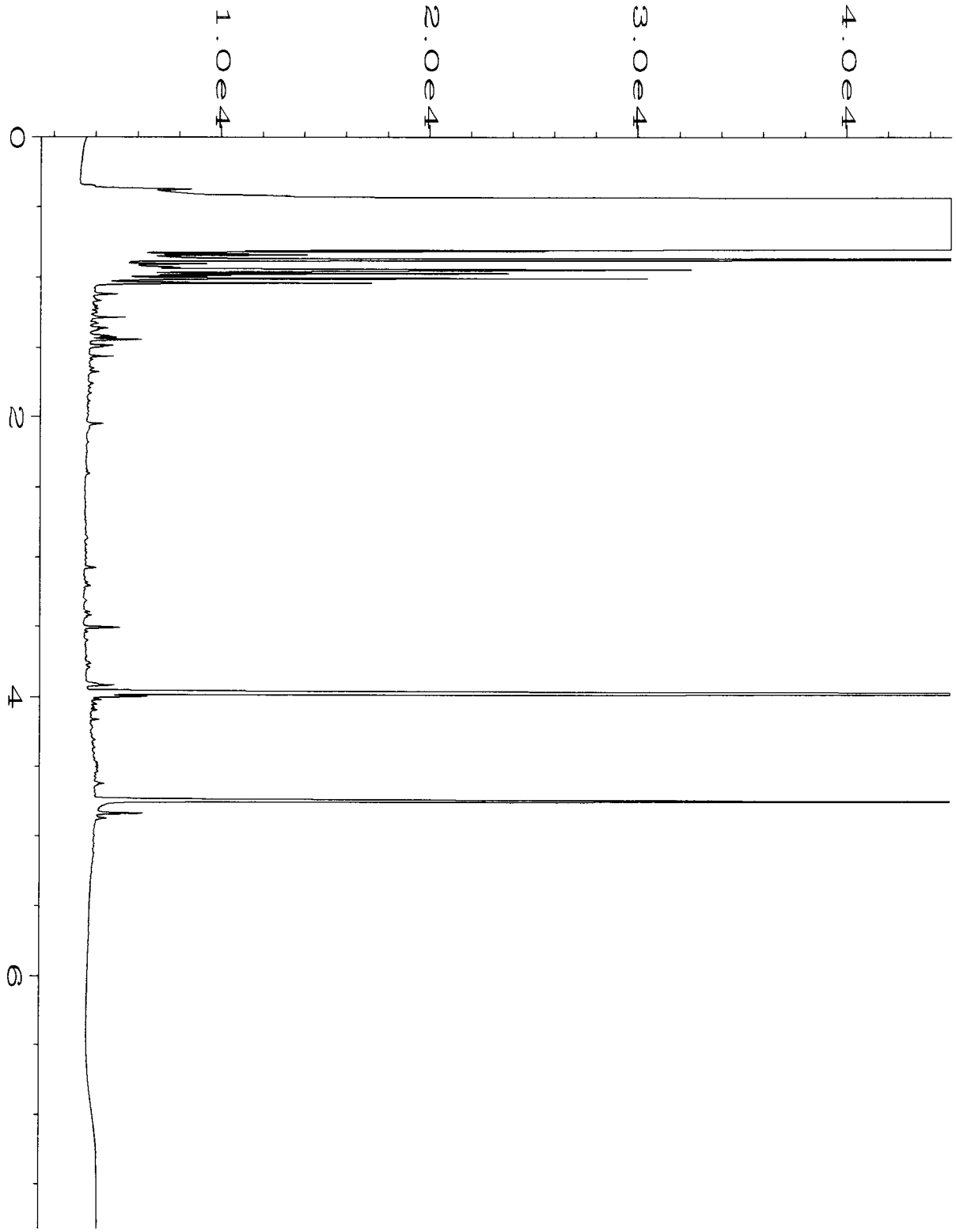
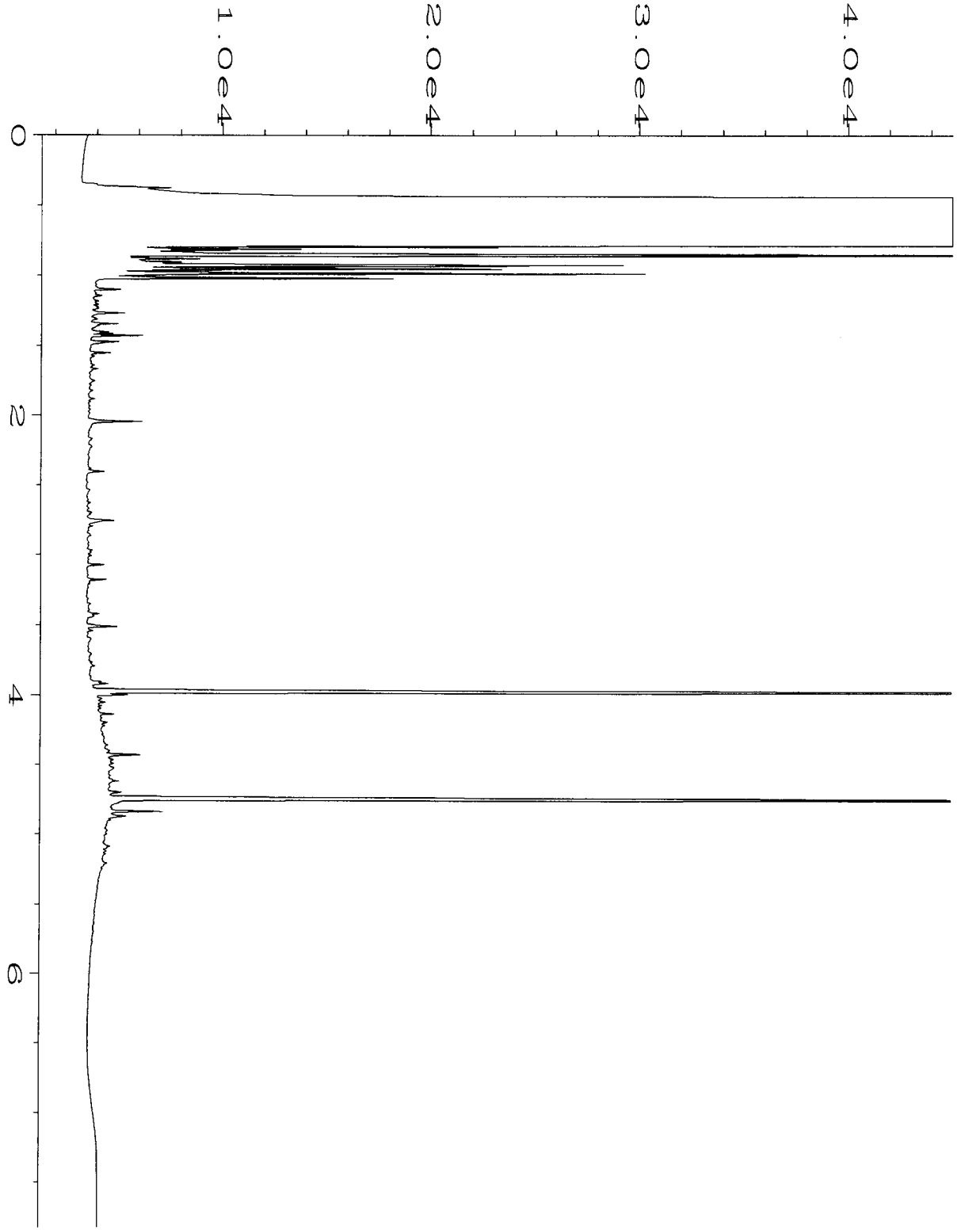
Analysis Method : DX.MTH

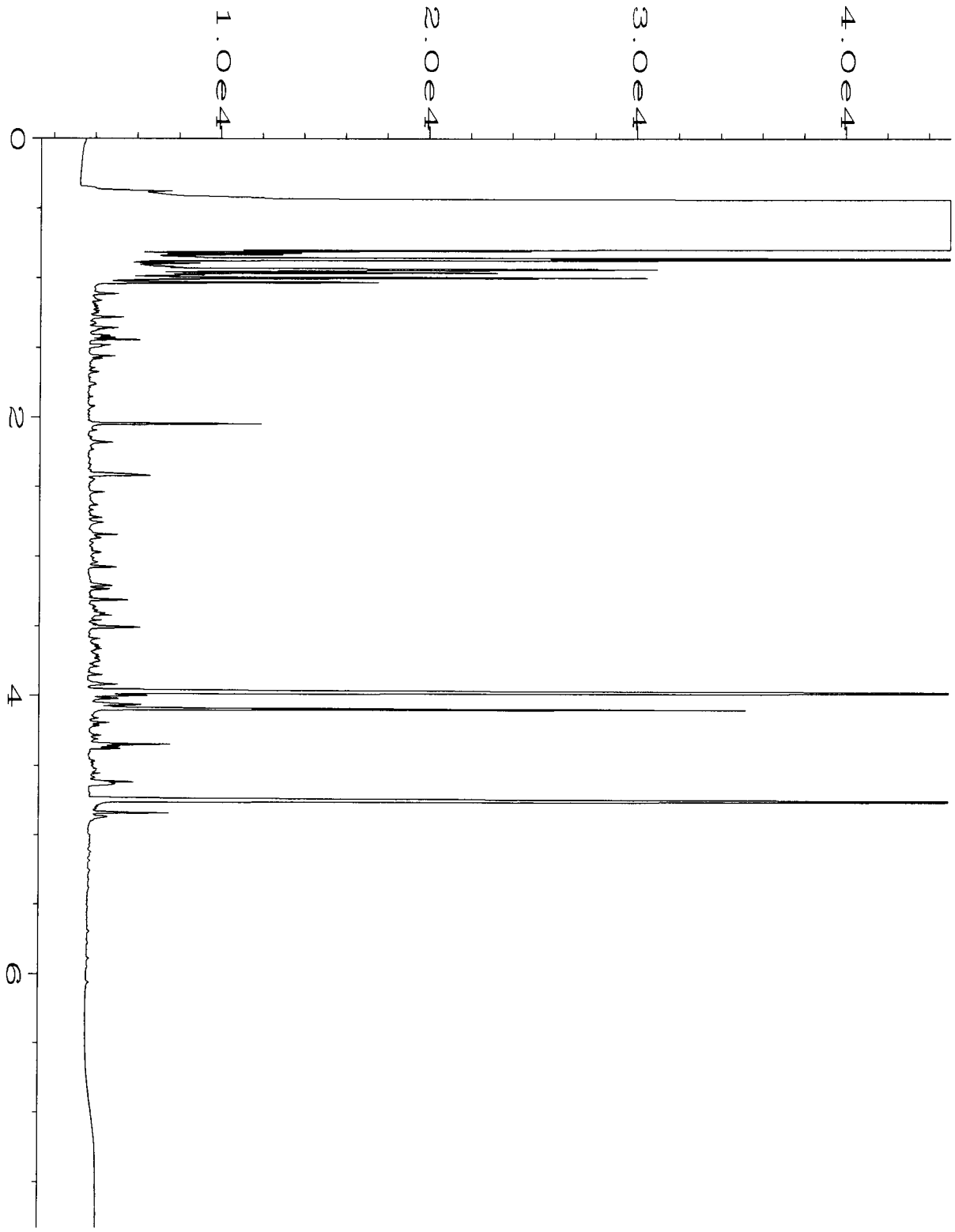


Data File Name	: C:\HPCHEM\6\DATA\09-16-13\046F0601.D		
Operator	: mwdl	Page Number	: 1
Instrument	: GC #6	Vial Number	: 46
Sample Name	: 309188-15	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 6
Acquired on	: 16 Sep 13 07:12 PM	Instrument Method	: DX.MTH
Report Created on	: 17 Sep 13 08:55 AM	Analysis Method	: DX.MTH

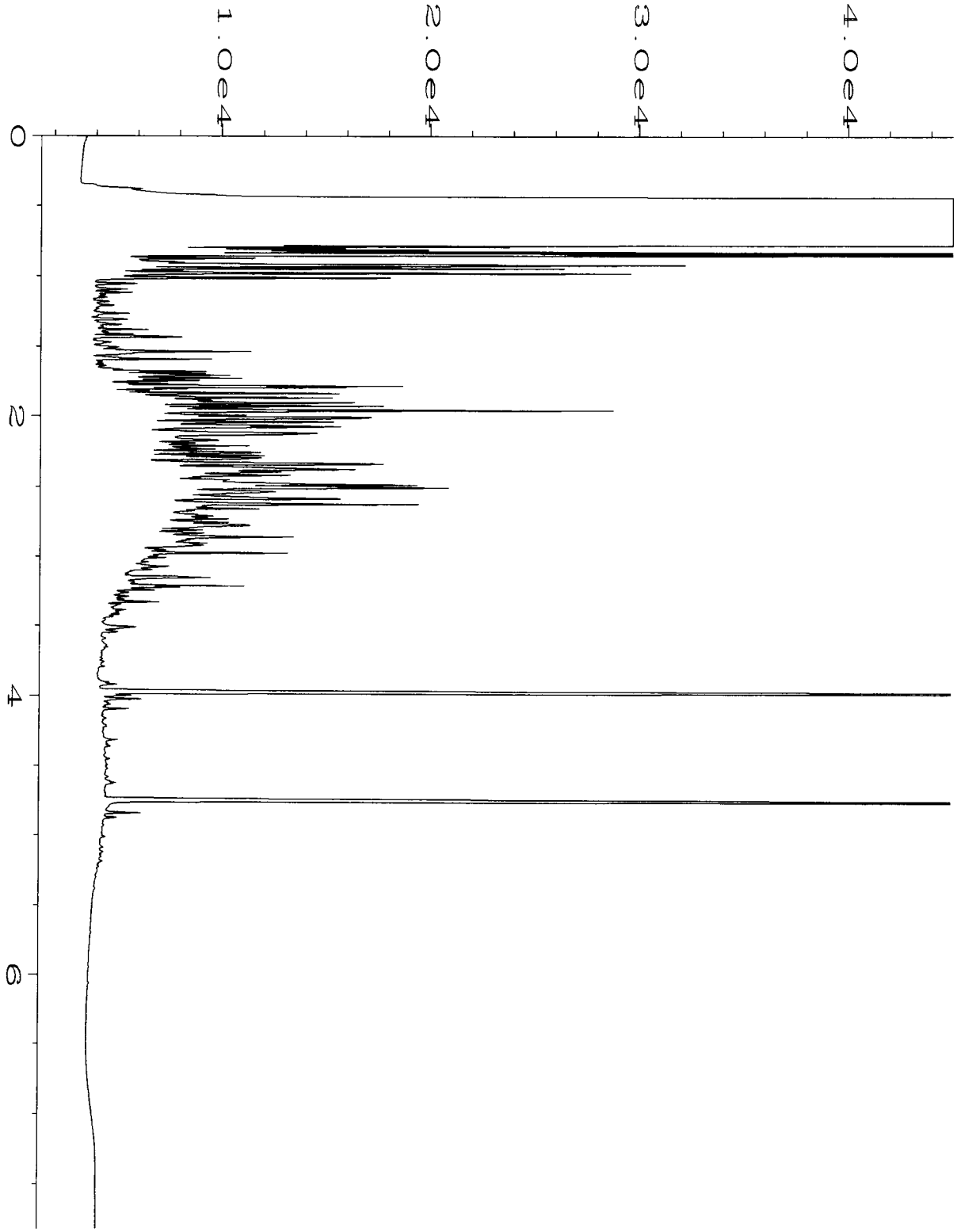


Data File Name : C:\HPCHEM\6\DATA\09-16-13\047F0601.D
Operator : mwdl
Instrument : GC #6
Sample Name : 309188-16
Run Time Bar Code:
Acquired on : 16 Sep 13 07:25 PM
Report Created on: 17 Sep 13 08:55 AM

Page Number : 1
Vial Number : 47
Injection Number : 1
Sequence Line : 6
Instrument Method: DX.MTH
Analysis Method : DX.MTH

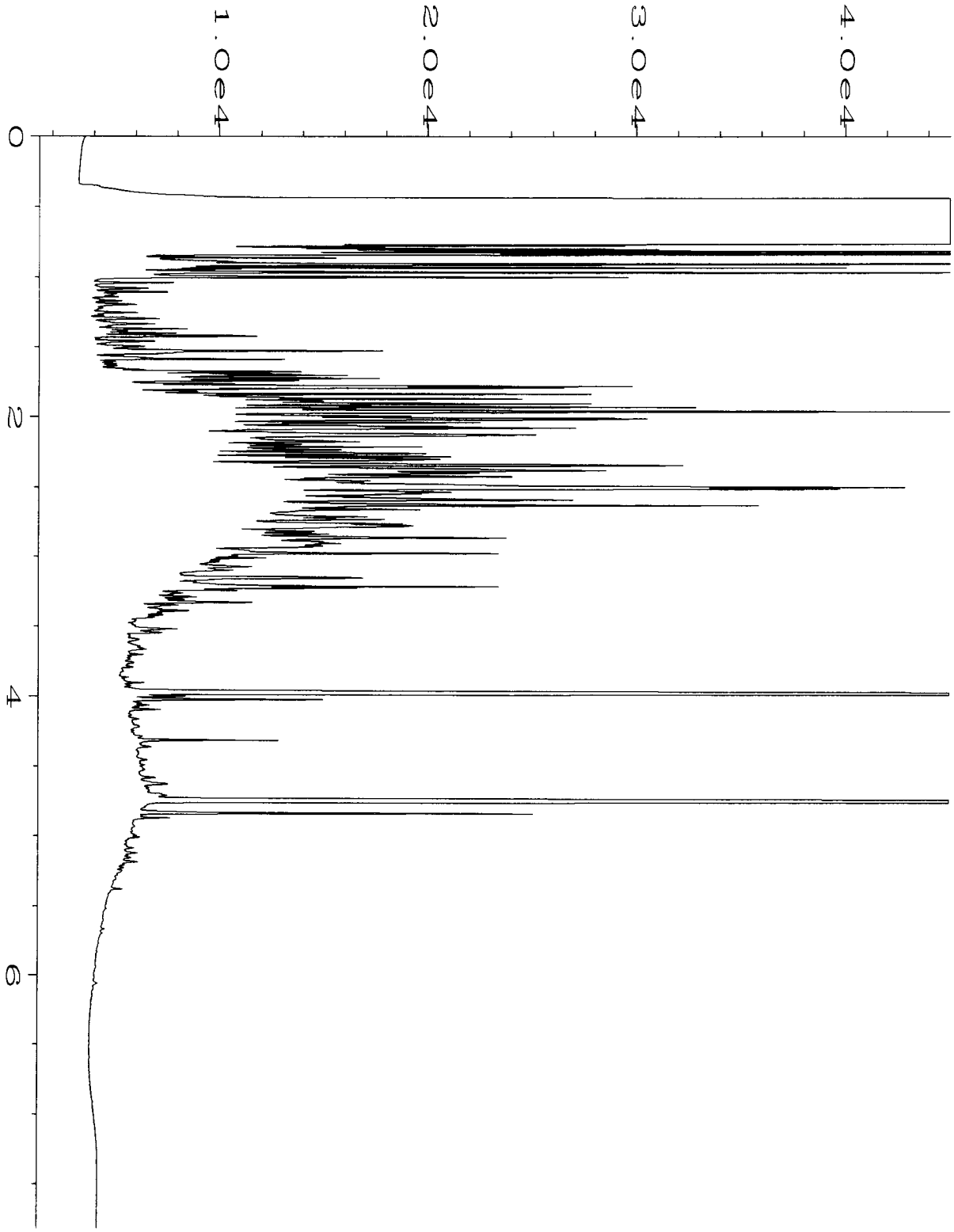


Data File Name	: C:\HPCHEM\6\DATA\09-16-13\048F0601.D		
Operator	: mwdl	Page Number	: 1
Instrument	: GC #6	Vial Number	: 48
Sample Name	: 309188-17	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 6
Acquired on	: 16 Sep 13 07:38 PM	Instrument Method	: DX.MTH
Report Created on	: 17 Sep 13 08:55 AM	Analysis Method	: DX.MTH

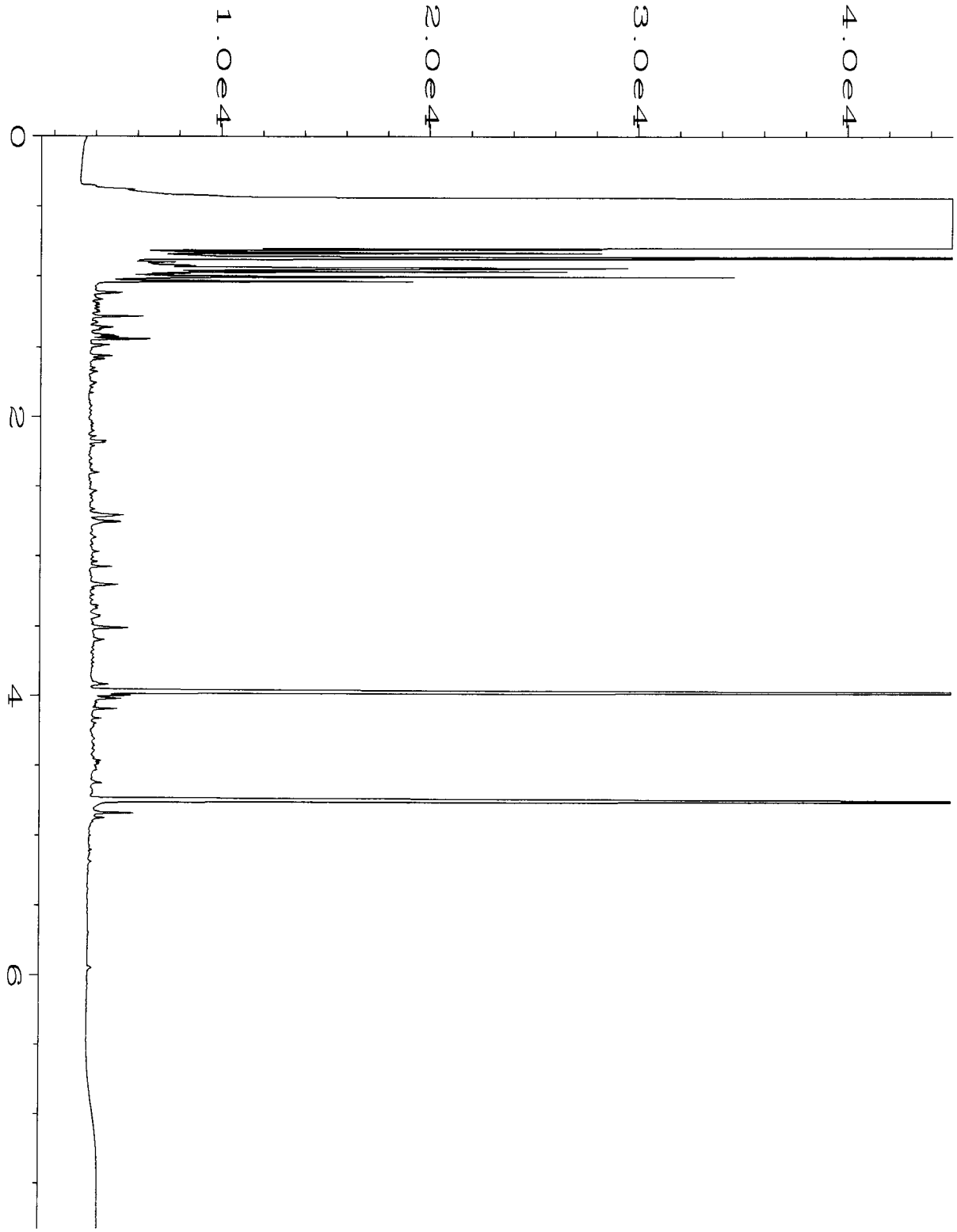


Data File Name : C:\HPCHEM\6\DATA\09-16-13\049F0601.D
Operator : mwdl
Instrument : GC #6
Sample Name : 309188-18
Run Time Bar Code:
Acquired on : 16 Sep 13 07:50 PM
Report Created on: 17 Sep 13 08:55 AM

Page Number : 1
Vial Number : 49
Injection Number : 1
Sequence Line : 6
Instrument Method: DX.MTH
Analysis Method : DX.MTH

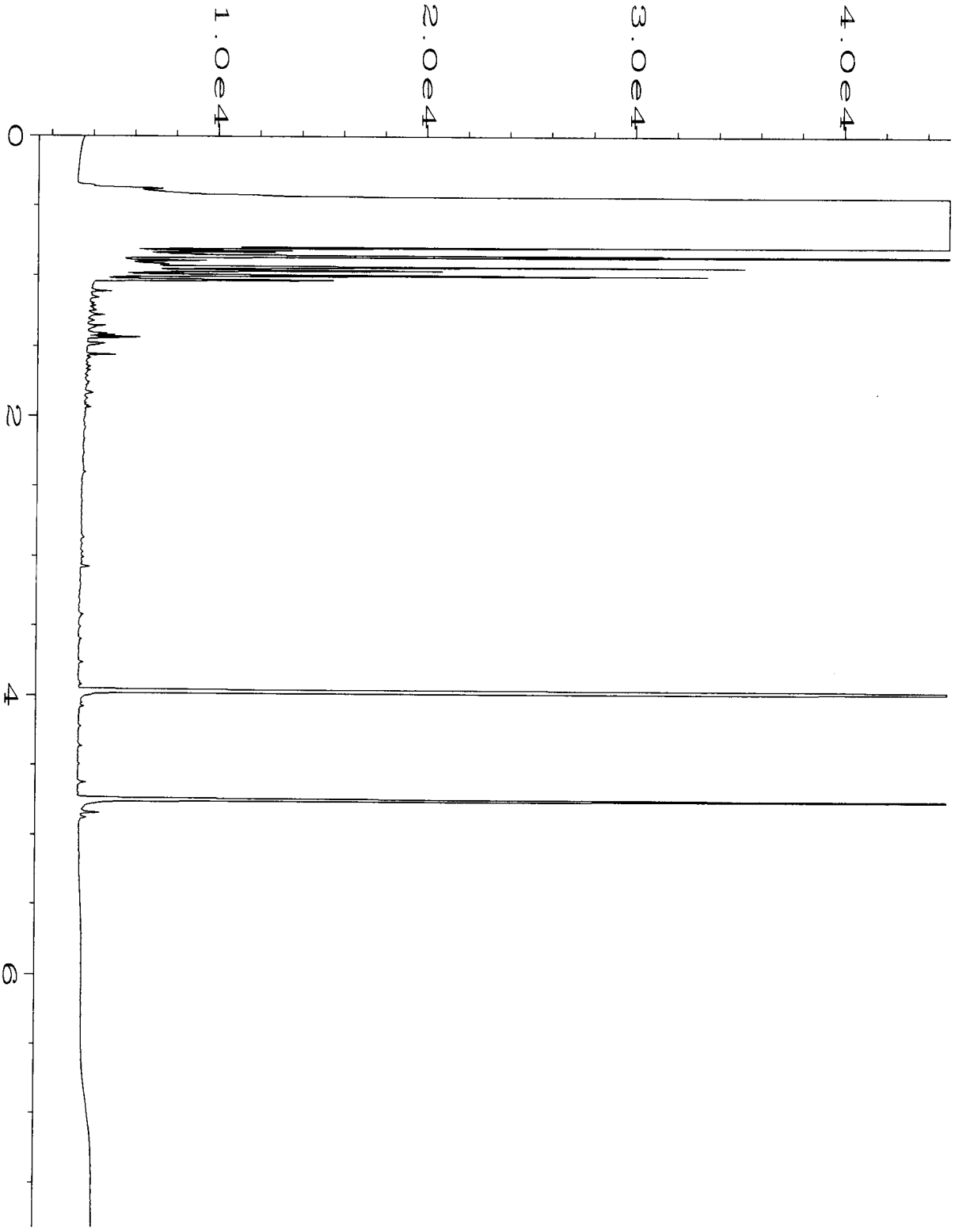


Data File Name	: C:\HPCHEM\6\DATA\09-16-13\050F0601.D		
Operator	: mwdl	Page Number	: 1
Instrument	: GC #6	Vial Number	: 50
Sample Name	: 309188-19	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 6
Acquired on	: 16 Sep 13 08:03 PM	Instrument Method	: DX.MTH
Report Created on	: 17 Sep 13 08:55 AM	Analysis Method	: DX.MTH



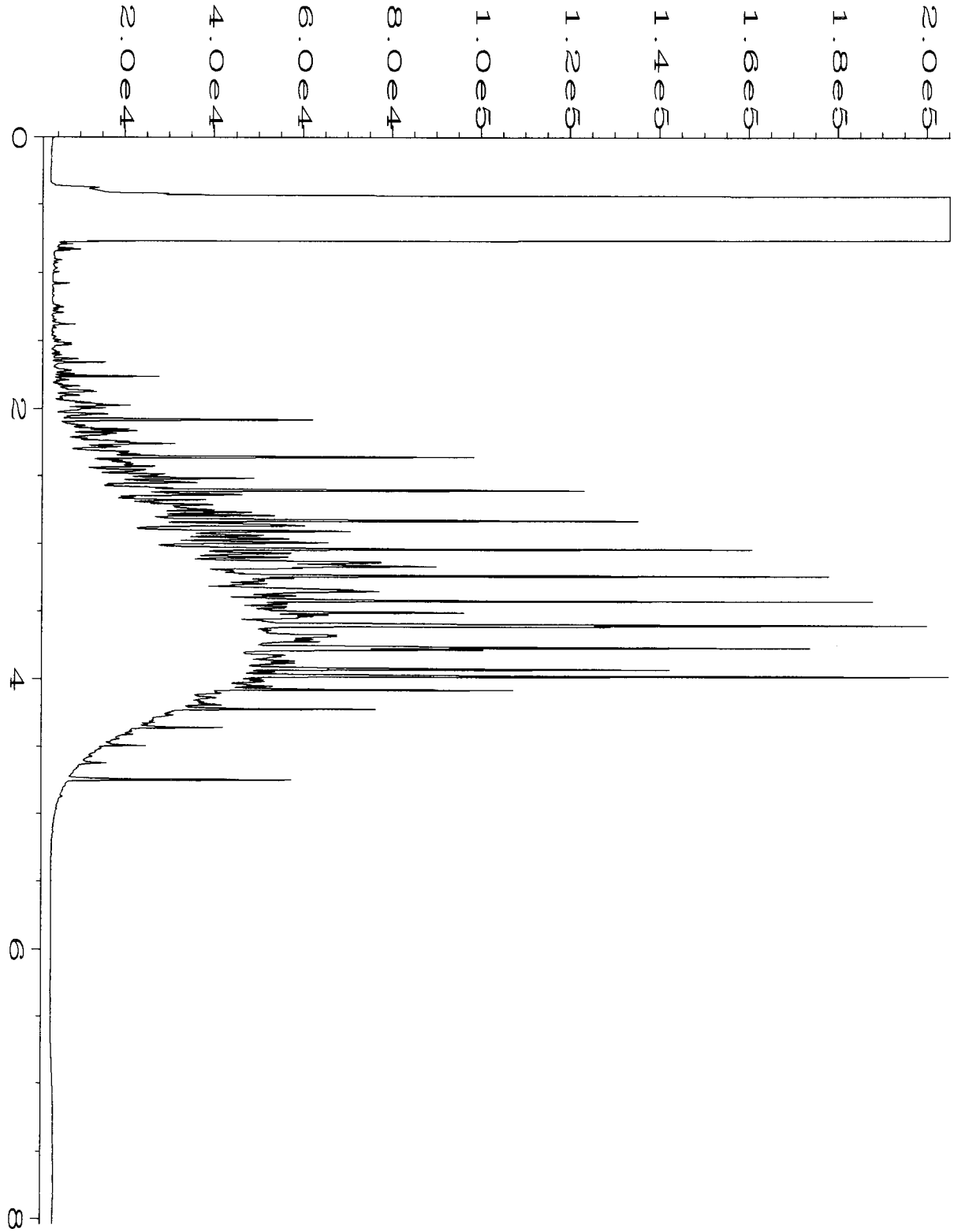
Data File Name : C:\HPCHEM\6\DATA\09-16-13\051F0601.D
Operator : mwdl
Instrument : GC #6
Sample Name : 309188-20
Run Time Bar Code:
Acquired on : 16 Sep 13 08:16 PM
Report Created on: 17 Sep 13 08:55 AM

Page Number : 1
Vial Number : 51
Injection Number : 1
Sequence Line : 6
Instrument Method: DX.MTH
Analysis Method : DX.MTH



Data File Name : C:\HPCHEM\6\DATA\09-16-13\029F0601.D
Operator : mwdl
Instrument : GC #6
Sample Name : 03-1821 mb
Run Time Bar Code:
Acquired on : 16 Sep 13 03:35 PM
Report Created on: 17 Sep 13 08:53 AM

Page Number : 1
Vial Number : 29
Injection Number : 1
Sequence Line : 6
Instrument Method: DX.MTH
Analysis Method : DX.MTH



Data File Name : C:\HPCHEM\6\DATA\09-16-13\003F0201.D
Operator : mwdl
Instrument : GC #6
Sample Name : 500 Dx 40-42C
Run Time Bar Code:
Acquired on : 16 Sep 13 08:52 AM
Report Created on: 17 Sep 13 08:53 AM

Page Number : 1
Vial Number : 3
Injection Number : 1
Sequence Line : 2
Instrument Method: DX.MTH
Analysis Method : DX.MTH

304198

SAMPLE CHAIN OF CUSTODY

ME 9/12/13

EO4105

Page # 1 of 2

Send Report To P. Kingston

Company SoundEarth Strategics

Address 2811 Fairview Ave E Suite 2000

City, State, ZIP Seattle, WA 98102

Phone # 206.306.1900 Fax # 206.306.1907

SAMPLERS (signature)

PROJECT NAME/NO. Troy / 0731-004

PO #

REMARKS

GEMS Y / N

TURNAROUND TIME
- [x] Standard (2 Weeks)
- [ ] RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- [x] 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	CVOC's by 8260C	SVOC's by 8270	RCRA-8 Metals			Notes
MW06-20130909	MW06		01 A-H	9/9/13	1025	H20	8	X	X	X	X					
MW04-20130909	MW04		02 A-H		1145			X	X	X	X					
MW07-20130909	MW07		03 A-H		1145			X	X	X	X					
MW10-20130909	MW10		04 A-H		1432			X	X	X	X					
MW11-20130909	MW11		05 A-H		1455			X	X	X	X					
MW12-20130909	MW12		06 A-H		1549			X	X	X	X					
SMW09-20130910	SMW09		07 A-H	9/10/13	0935			X	X	X	X					
MW05-20130910	MW05		08 A-H		0948			X	X	X	X					
SMW06-20130910	SMW06		09 A-H		1130			X	X	X	X					
MW13-20130910	MW13		10 A-H		1152			X	X	X	X					
MW15-20130910	MW15		11 A-H		1300			X	X	X	X					
MW09-20130910	MW09		12 A-H		1405			X	X	X	X					
MW01-20130910	MW01		13 A-H		1524			X	X	X	X					

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

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:		Liz Forbes	SES	9/11/13	1630
Received by:		Matt Lyons	FBI	9/11/13	1630
Relinquished by:					
Received by:					

FORMS\COC\SESGEMSR1.DOC (Revision 1)

Samples received at 4 °C

309188

SAMPLE CHAIN OF CUSTODY

MF 09/12/13 E04/V5

Page # 2 of 2

Send Report To P. Kingston

Company SoundEarth Strategics

Address 2811 Fairview Ave E Suite 2000

City, State, ZIP Seattle, WA 98102

Phone # 206.306.1900 Fax # 206.306.1907

SAMPLERS (signature)

PROJECT NAME/NO.: Troy /0731-004

PO #: 1

REMARKS

GEMS Y / N

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	CVOC's by 8260C	SVOC's by 8270	RCRA-8 Metals			Notes
MW08-20130910	MW08		14 A-H	9/10/13	1550	H20	8	X	X	X	X					
MW02-20130911	MW02		15 A-H	9/11/13	1080			X	X	X	X					
MW03-20130911	MW03		16 A-H		1125			X	X	X	X					
MW14-20130911	MW14		17 A-H		1245			X	X	X	X					
MW16-20130911	MW16		18 A-H		1250			X	X	X	X					
MW99-20130911	MW99		19 A-H		1330			X	X	X	X					
MW-C-20130911	MW-C		20 A-H		1420			X	X	X	X					

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Liz Fikes	SES	9/11/13	1038
Received by:	Matt Lyster	F-B Inc	9/11/13	1630
Relinquished by:				
Received by:				

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

Samples received at 4 °C