SOMA
ENVIRONMENTAL ENGINEERING, INC.
6620 Owens Drive, Suite A • Pleasanton, CA 94588
TEL (925)734-6400 • FAX (925)734-6401
www.somaenv.com

September 14, 2011

Mr. Jerry Wickham
Alameda County Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502

Subject: 2844 Mountain Boulevard, Oakland, California

Dear Mr. Wickham:

SOMA's "Summary Report of Underground Storage Tank and Fuel Piping Removal" for the subject site has been uploaded to Alameda County's FTP site for your review.

Please do not hesitate to call me at (925) 734-6400, if you have any questions or comments.

Sincerely,

Mansour Sepehr, Ph.D, PE
Principal Hydrogeologist

Enclosure

cc: Mr. Tejindar Singh
Mr. Keith Matthews, Fire Department

Summary Report of Underground Storage Tank and Fuel Piping Removal

2844 Mountain Boulevard
Oakland, California

September 14, 2011

Project 5086

Prepared for:

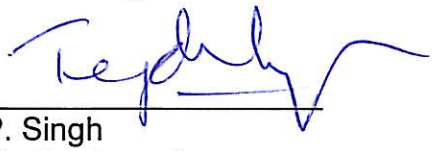
Mr. Tejindar P. Singh
6400 Dublin Blvd.
Dublin, California

SOMA ENVIRONMENTAL ENGINEERING, INC.
6620 Owens Drive Suite A Pleasanton CA 94588 Ph: 925.734.6400 F: 925.734-6401 www.somaenv.com

PERJURY STATEMENT

Site Location: 2844 Mountain Boulevard, Oakland, California

"I declare under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge".



Tejindar P. Singh
6400 Dublin Boulevard
Dublin, California 94568
Responsible Party

CERTIFICATION

SOMA Environmental Engineering, Inc. has prepared this report on behalf of Mr. Tejindar P. Singh for the site located at 2844 Mountain Blvd., Oakland, California, to comply with the City of Oakland Fire Department requirement to remove on-site underground storage tanks and associated fuel piping.

Mansour Sepehr, PhD, PE
Principal Hydrogeologist

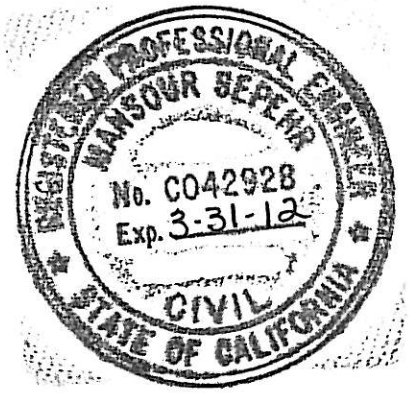


TABLE OF CONTENTS

CERTIFICATION i
TABLE OF CONTENTS ii
LIST OF FIGURES ii
LIST OF TABLES ii
LIST OF APPENDICES ii
1. INTRODUCTION 1
1.1 Overview 1
1.2 Site History and Use 1
2. UST AND FUEL PIPING REMOVAL ACTIVITIES 2
2.1 Pre-Excavation Activities 2
2.2 UST and Fuel Line Removal Activities 3
2.3 Confirmation Sampling Results 5
3. SUMMARY AND CONCLUSIONS 6

LIST OF FIGURES

Figure 1: Site map showing location of removed UST, piping and confirmation soil sampling during UST removal activities

LIST OF TABLES

Table 1: Confirmation Groundwater Analytical Data
Table 2: Confirmation Soil Analytical Data

LIST OF APPENDICES

Appendix A: Relevant UST Removal Documentation
Appendix B: Photographic Documentation
Appendix C: Laboratory Reports and Chain of Custody Forms

1. INTRODUCTION

1.1 Overview

SOMA Environmental Engineering, Inc. (SOMA) has prepared this report on behalf of Mr. Tejindar P. Singh for the site located at 2844 Mountain Blvd., Oakland, California (Figure 1), to comply with the City of Oakland Fire Department (OFD) requirement to remove on-site underground storage tanks (USTs) and associated fuel piping. The site is located on the northern corner of the intersection of Mountain Boulevard and Werner Court in a commercial-residential area of Oakland. The property is currently occupied by a retail gasoline station that has closed down. Currently the site is fenced in and non-operational.

Two pump islands, two USTs, and an office/garage building were present on the site. The USTs that were removed during this event have historically contained various grades of gasoline and diesel; the steel UST was 3,000-gallon capacity, the fiberglass UST 10,000-gallon capacity. These tanks were reportedly installed in 1994.

This report documents removal and disposal of these USTs and associated fuel piping, dispensers, and presents analytical results of related confirmation soil and groundwater samples.

1.2 Site History and Use

Soil contamination was initially identified at the site in March 1989, during the replacement of the product lines by Diablo Tank and Equipment. Up to 8,400 mg/kg of total petroleum hydrocarbons as gasoline (TPH-g) were identified in soil samples collected from the southern edge of the USTs.

In July 1989, On-Site Technologies excavated and disposed of between 90 and 150 cubic yards of contaminated soil from the southern end of the UST that then contained premium unleaded fuel. Up to 3,300 mg/kg of total petroleum hydrocarbons as gasoline (TPH-g) were detected in samples collected from excavation sidewalls.

In May 1990, Remediation Service International (RSI) conducted a soil and groundwater assessment at the site including installation of four groundwater monitoring wells (RS-1 through RS-4). Hydrocarbons were detected in both soil and groundwater during this assessment.

In June 1991, soil remediation began at the site using soil vapor extraction (SVE). In October 1991, groundwater remediation began at the site using RSI's remedial system. Remediation was suspended in 1992, apparently due to Desert Petroleum's financial problems.

In 1994 a 280-gallon waste oil UST was removed along with approximately 40 cubic yards of contaminated soil and in 1998 the 4,000-gallon gasoline UST was removed along with approximately 40 cubic yards of contaminated soil.

Reportedly the site has been monitored on a quarterly basis since May 1990, monitoring was discontinued in 1999. A Corrective Action Plan for the site was prepared in February 1995.

Beginning in 1995, hydrocarbon concentrations started to rise and free hydrocarbons appeared in monitoring well RS-1. During interim free-product removal, between October and December 1996, 30.4 gallons of gasoline and 1,077 gallons of contaminated groundwater were removed from monitoring well RS-1.

In March 1999, Western Geo-Engineers of Woodland, California prepared a quarterly groundwater monitoring report and subsurface conduit study for the site. This subsurface conduit study identified a sewer line that was partially submerged below the typical depth to groundwater at the site. This sewer line could potentially act as a conduit for migration of groundwater contamination.

A Report for Soil and Groundwater Assessment was prepared by Agua Science Engineers, Inc in May 24, 2000 which documented further delineation of the soil and groundwater contamination extent in the off-site area.

“Out-of-compliance” correspondence dated June 18, 2009, was issued by Alameda County Environmental Health Services (ACEHS) for the site; this letter was related to a workplan dated December 7, 2000 for installation of five monitoring wells in both on- and off-site areas where elevated concentrations of fuel hydrocarbons had been detected.

2. UST AND FUEL PIPING REMOVAL ACTIVITIES

2.1 Pre-Excavation Activities

Before initiating field activities, SOMA prepared an Underground Tank Closure Plan and a Site Specific Health and Safety Plan. These plans were prepared and submitted to OFD for approval and UST removal permit issuance (Appendix A). CES Controlled Environmental (CES), License A, HAZ # 807330, was retained for the current UST removal activities. The original OFD permit, which was issued for Matrix Corporation on July 24, 2011, was changed to reflect CES as the current contractor. SOMA also completed and submitted Forms A and B to OFD (Appendix A)

Before initiating UST removal activities, the Underground Service Alert (USA) was notified verifying that the excavation area was clear of underground utilities. The required written notification was submitted to Bay Area Air Quality Management District (Appendix A) ahead of excavation activities. SOMA notified OFD and ACEHS on August 1, 2011 of the upcoming UST removal. In order to arrange proper UST disposal, SOMA obtained a temporary emergency EPA ID number (CAC002672448), and submitted an application to the Cal/EPA Department of Toxic Substances Control.

Before beginning of field work, SOMA updated and reviewed HASP. The HASP is a requirement of the Occupational Safety and Health Administration (OSHA), "Hazardous Waste Operation and Emergency Response" guidelines (29 CFR 1910.120) and the California Occupational Safety and Health Administration (Cal/OSHA) "Hazardous Waste Operation and Emergency Response" guidelines (CCR Title 8, section 5192). The HASP is designed to address safety provisions during field activities and protect the field crew from physical and chemical hazards resulting from drilling and sampling. The HASP establishes personnel responsibilities, general safe work practices, field procedures, personal protective equipment standards, decontamination procedures, and emergency action plans. The HASP was reviewed and signed by field staff and contractors prior to beginning field operations at the site.

2.2 UST and Fuel Line Removal Activities

On July 29, 2011, removal activities were initiated by breaking the concrete over the UST pit.

On August 2, 2011, under SOMA's oversight, the USTs were uncovered. Pumps were disconnected and removed and associated piping was flushed with liquid that flowed back into the USTs. Photographs documenting UST removal activities are cataloged in Appendix B.

On August 3, 2011 tops of the tanks and associated piping was examined. During this UST removal, a previously unknown PG&E lateral line was uncovered. This subsurface utility line extended from the street (Werner Court) toward the site building and crossed the UST pit (Figure 1). When the line was uncovered it was evident that the USTs could not be removed without being properly disconnected.

Under SOMA's oversight on August 5, 2011, PG&E disconnected the line by removing a section of the lateral pipe situated beneath Werner Court and disconnecting the gas service to the station building. Photographs documenting these activities are cataloged in Appendix B.

On August 8, 2011 the USTs were washed utilizing a hot pressure washing method, and the rinsate transported in a vacuum truck and disposed of.

Excavated soils were temporarily stored on-site on plastic sheeting, and were covered at all times. After the fuel lines were flushed back into the tanks, approximately 150 gallons of product and rinsate mixture was present inside the USTs; the product was removed and subsequently stored on-site pending transport and disposal. The liquid wastes were delivered to Big Ski Environmental Solutions for disposal/recycling (Appendix A).

On August 9, 2011, the two USTs were removed. CES used dry ice to render content inert, utilizing a ratio of 15 pounds for each 1,000 gallons of UST capacity. Prior to removal, USTs were tested. Lower explosive limit (LEL) was recorded at 0 percent and O_2 at 10 percent or less (between 9.4 and 10 percent). The USTs were inspected by OFD, and following LEL check, CES used a backhoe to remove and load them onto a trailer for transport to appropriate facilities. The steel tank was delivered to Universal Services Recycling, Inc. and the fiberglass tank was delivered to Keller Canyon Landfill (Appendix A). The USTs were observed to be of 10,000-gallon and 3,000-gallon capacity. Disposal documentation and OFD inspection reports are attached in Appendix A.

Upon UST removal, SOMA collected confirmation samples at the direction of OFD. Groundwater was observed inside the excavated pit. Since groundwater was present, two groundwater samples (T-1 and T-2) were collected utilizing disposable bailers. Each sample was slowly decanted into the laboratory-provided bottles and secured with a lid. Soil samples (SS-1 through SS-4) were collected as directed by the OFD inspector, utilizing stainless steel sleeves that were pushed into the soil and brought to surface via excavator bucket. After sample collection, the ends of sample sleeves were sealed with Teflon tape and caps. Stockpiled soils were screened utilizing photoionization detector (PID); recorded PID readings ranged between 270 and 317 parts per million and soils had a distinct petroleum hydrocarbon (PHC) odor and greenish staining. At the direction of OFD, four soil samples CS-1 through CS-4, were collected from stockpiled soils and later composited by the analytical laboratory and analyzed as single composite sample CS-1-CS-4.

Samples were labeled with unique sample identifiers and preserved on ice pending delivery to a certified analytical laboratory under appropriate chain-of-custody protocol. Figure 1 shows locations of confirmation soil samples collected.

Once the USTs were removed, pit depth measured 11 feet 6 inches from ground surface to the bottom of the pit. USTs were transported to an off-site facility for disposal (disposal documentation in Appendix A) on August 9, 2011.

Although excavated soils appeared to be contaminated, due to financial constraints, no excavation or off-site soil disposal was conducted. With concurrence from ACEHS and OFD, the excavated soils were temporarily returned to the excavation pit pending installation of new USTs. Prior to soils placement, the pit was lined with Visqueen *(*poly sheeting) and excavated soils

were covered with Visqueen after they were returned to the pit. Concrete rubble was utilized to secure the layer of Visqueen in place. The property owner plans to conduct further investigation and remedial activities, including extensive soil and groundwater remediation in the near future.

On August 18, 2011, under SOMA's oversight, CES excavated and removed all associated fuel piping leading from the dispenser islands to the UST pit. Upon fuel piping removal, SOMA collected confirmation soil samples (T-Junction, B-1 through B-4, D-1 and D-2) at the direction of OFD. All confirmation samples were collected in accordance with requirements of California Health and Safety Code (Division 20, Chapter 6.7, Section 25298) to verify the integrity of the decommissioned USTs. Mr. Keith Matthews, OFD inspector, witnessed soil and groundwater sampling and UST and fuel piping removal activities. Location and manner of sampling and analyses was in accordance with Regional Water Quality Control Board guidelines and directions of the field inspector. No groundwater was present inside fuel piping trenches. Pea gravel removed from the trenches appeared clean and did not exhibit PHC odor; therefore, it was returned to the trenches.

On September 8, 2011 the removed fiberglass piping was transported to and properly disposed of at Keller Canyon Landfill facility, disposal manifest is attached in Appendix A.

The UST pit and piping trenches were not backfilled to grade with clean (imported) fill material or resurfaced, because the property owner has indicated he intends to install new USTs and piping in the near future. The site is currently fenced in, which limits public access to the property.

2.3 Confirmation Sampling Results

As stated above, SOMA collected confirmation soil and groundwater samples from the UST excavation on August 9, 2011 and soil samples from beneath former fuel piping on August 18, 2011.

Soil samples were submitted to a California state-certified environmental laboratory for analysis as follows:

- EPA Modified 8015B or equivalent for analysis of total petroleum hydrocarbons (TPH) as diesel (TPH-d) and as gasoline (TPH-g)
- EPA 8260B (full list) for analysis of volatile organic compounds (VOCs) including gasoline oxygenates and lead scavengers
- Ethanol and methanol
- LUFT Metals

Groundwater samples were analyzed for all contaminants of concern (COCs) as above, except that TPH-g in groundwater was analyzed using EPA 8260B.

TPH-g, TPH-d and benzene were detected at 76,000 µg/L, 14,000 µg/L, and 1,600 µg/L, respectively, in groundwater sample T-1 from the northern region of the UST pit. MtBE was detected in this sample at 5,700 µg/L. Total metals such as lead, nickel, and zinc were also detected in T-1 in excess of respective Environmental Screening Levels (ESLs) established by San Francisco Bay Regional Water Quality Control Board.

TPH-g, TPH-d and benzene were detected at 890 µg/L, 1,500 µg/L, and 8 µg/L, respectively, in groundwater sample T-2 from the southern region of the UST pit. MtBE was detected in this sample at 5,700 µg/L. Total metals such as lead and nickel were also detected in T-2 in excess of respective ESLs.

Table 1 summarizes COC concentrations and Appendix C contains the complete laboratory analytical reports.

During UST pit confirmation soil sampling, maximum TPH-g was detected at 2,300 mg/kg in soil sample SS-1, and maximum TPH-d was detected at 800 mg/kg in sample SS-2. The composite soil sample CS-1-CS-4, collected from stockpiled soils, exhibited TPH-g and TPH-d concentrations of 570 mg/kg and 180 mg/kg, respectively; both detections were flagged “Y” by the analytical laboratory to denote chromatograms that did not resemble standard. Also concentrations of benzene, toluene, ethylbenzene, xylenes, methyl tertiary-butyl ether (MtBE), tertiary-butyl alcohol (TBA), naphthalene, chromium and nickel were detected in excess of respective ESLs (residential exposure scenario) (Table 2).

During fuel piping confirmation soil sampling, maximum TPH-g and TPH-d were 29 mg/kg and 160 mg/kg, respectively, in sample SS-2. In general, soils beneath fuel piping exhibited much lower COCs than those collected from the UST pit, except for chromium and nickel which were generally detected at comparable concentrations (Table 2).

It appears that soil and groundwater contamination still exists in the area of removed USTs, as illustrated by COCs in excess of ESLs, and lesser soil contamination exists in the area beneath removed fuel piping (Tables 1 and 2).

3. SUMMARY AND CONCLUSIONS

- Between July 29 and August 18, 2011 two USTs, one 10,000-gallon and one 3,000-gallon capacity, were excavated and disposed of off-site. Prior to disposal, they were purged with dry ice at a ratio of 15 pounds per 1,000 gallons of UST capacity. Lower explosive limit (LEL) was recorded

at 0 percent and O_2 at 10 percent or less. During this tank removal event, associated fuel piping was also excavated and disposed of off-site. The UST pit and trenches were not backfilled to grade with clean (imported) fill material or resurfaced because the owner has indicated he intends to install new USTs and piping in the near future. The site is currently fenced in, which limits public access to the property.

- Confirmation soil samples were collected from beneath removed USTs and associated piping. Two groundwater samples were collected from the UST pit.
- It appears that soil and groundwater contamination still exists in the area of removed USTs, as illustrated by COCs in excess of ESLs, and lesser soil contamination exists in the area beneath the removed fuel piping. This contamination is likely related to the historical PHC release associated with this site.
- Once the USTs were removed, with concurrence of OFD the pit was lined with Visqueen and all the excavated soil was returned to the pit and covered with Visqueen. Due to presence of shallow groundwater, cleaner soils were placed at greater depths and more contaminated soils were placed at the top. Concrete rubble was placed over the Visqueen to secure it in place over the soils. Return of soils to the pit was authorized by both ACEHS and OFD based on the owner's assurance that new USTs and piping will be installed shortly, and excavated soils will be disposed of during the future installation activities.
- Based on above findings, SOMA is preparing a workplan for further soil and groundwater investigation to be submitted to ACEHS. Upon delineation of existing soil and groundwater contamination, an appropriate remedial action will be proposed and implemented in order to remove residual contamination and move the site toward closure.

FIGURE

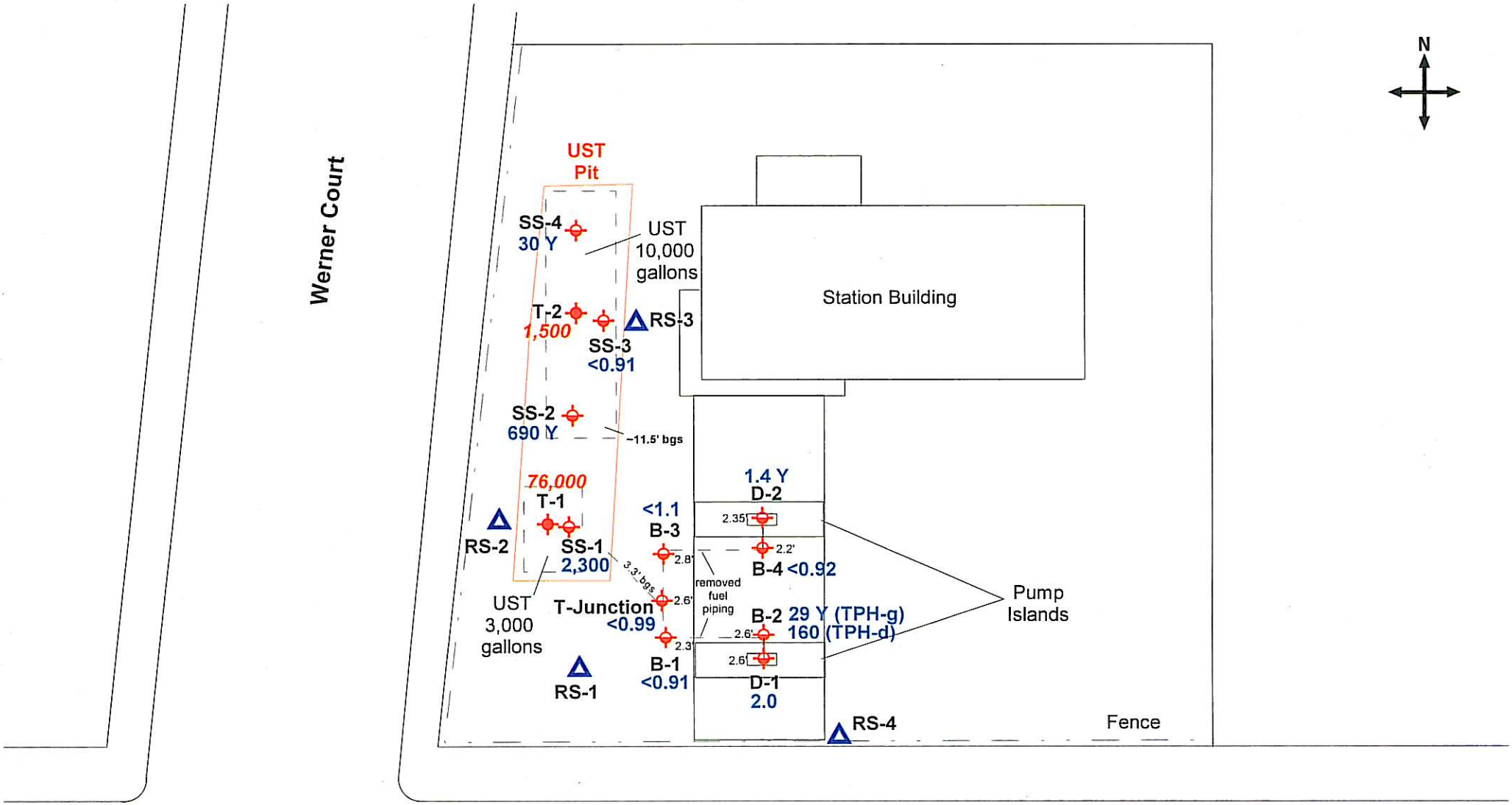


Figure 1: Site map showing location of removed UST, piping and confirmation soil sampling during UST removal activities

ENVIRONMENTAL ENGINEERING, INC.

TABLES

Table 1:
Confirmation Groundwater Analytical Data
2844 Mountain Blvd, Oakland, CA

Sample ID	Date	TPH-d (µg/L)	TPH-g (µg/L)	Benzene (µg/L)	Toluene(µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MtBE (µg/L)	TBA (µg/L)	TAME (µg/L)	Naphthalene (µg/L)
T-1	8/9/2011	**14,000**	**76,000**	**1,600**	**11,000**	**2,000**	**10,000**	**5,700**	<1,700	5,600	**530**
T-2	8/9/2011	**1,500**	**890**	**8**	7.3	<0.5	157	**12**	**650**	<0.5	7.6
ESL - Potential Drinking		**100**	**100**	**1.0**	**40.0**	**30.0**	**20.0**	**5.0**	**12**	**NA**	**17.0**

Sample ID	Date	Propylbenzene (µg/L)	1,3,5-Trimethylbenzene (µg/L)	1,2,4-Trimethylbenzene (µg/L)	Methanol (mg/L)	Ethanol (mg/L)	*Cadmium (µg/L)*	*Chromium (µg/L)*	*Lead (µg/L)*	*Nickel (µg/L)*	*Zinc (µg/L)*
T-1	8/9/2011	240	520	1,800	<1.0	<1.0	<5.0	11	**39**	**140**	**210**
T-2	8/9/2011	<0.5	13	24	<1.0	<1.0	<5.0	6.1	**8**	**43**	73
ESL - Potential Drinking		**NA**	**NA**	**NA**	**NA**	**NA**	**0.25**	**50.0**	**2.5**	**8.2**	**81.0**

Notes:
< : below Laboratory Detection Limits
NA- Not Applicable

ESL: California Regional Water Quality Control Board, Environmental Screening Levels, Shallow/Deep Soil, Commercial, Groundwater is a current or potential source of drinking water, Tables A and C. Interim Final November 2007, Revised May 2008

Table 2:
Confirmation Soil Analytical Data
2844 Mountain Blvd, Oakland, CA

Sample ID	Date	TPH-g (mg/kg)	TPH-d (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	MtBE (mg/kg)	TBA (mg/kg)	TAME (mg/kg)	Methanol(mg/kg)
Sampling Beneath USTs											
SS-1	8/9/2011	**2,300**	**630 Y**	<2.5	**15**	**17**	**123**	**3.3**	<50	<2.5	1.5 C
SS-2	8/9/2011	**690 Y**	**800**	<2.0	<2.0	<2.0	<2.0	<2.0	<40	<2.0	<1.0
SS-3	8/9/2011	<0.91	<1.0	0.0053	0.06	0.0078	0.0430	**0.54**	**0.11**	0.14	<1.0
SS-4	8/9/2011	30 Y	51 Y	0.0054	0.055	0.011	0.054	**0.310**	<0.1	0.064	<1.0
CS-1-CS-4 Composite	8/9/2011	**570 Y**	**180 Y**	<1.3	2.1	**4.8**	**35**	<1.3	<25	<1.3	<1.0
Sampling Beneath Fuel Piping											
T-Junction	8/18/2011	<0.99	11 Y	<0.0047	<0.0047	<0.0047	<0.0047	0.5	0.82	0.031	<0.98
B-1	8/18/2011	<0.91	1.4 Y	<0.005	<0.005	<0.005	<0.005	0.013	<0.1	<5	<1
B-2	8/18/2011	29 Y	**160**	<0.033	<0.033	<0.033	<0.033	0.410	1.6	0.044	<1
B-3	8/18/2011	<1.1	25 Y	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.091	<0.0045	<0.99
B-4	8/18/2011	<0.92	18 Y	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.097	<0.0049	<0.98
D-1	8/18/2011	2	4.0 Y	<0.026	<0.026	<0.026	0.050	0.96	3.1	0.140	1.4 C
D-2	8/18/2011	1.4 Y	2.7 Y	<0.0048	<0.0048	<0.0048	<0.0048	0.095	0.57	<0.0048	<0.99
ESL - Shallow Soil Residential, Potential Drinking		**83**	**83**	**0.044**	**2.9**	**2.3**	**2.3**	0.023	0.075	NA	NA
ESL-Deep Soil Residential, Potential Drinking		**83**	**83**	**0.044**	**2.9**	**3.3**	**2.3**	0.023	0.075	NA	NA

Table 2:
Confirmation Soil Analytical Data
2844 Mountain Blvd, Oakland, CA

Sample ID	Date	Acetone (mg/kg)	Methylene chloride (mg/kg)	Isopropylbenzene (mg/kg)	Propylbenzene (mg/kg)	1,3,5-Trimethylbenzene (mg/kg)	1,2,4-Trimethylbenzene (mg/kg)	sec-Butylbenzene (mg/kg)	n-Butylbenzene (mg/kg)	Naphthalene (mg/kg)	Ethanol (mg/kg)
Sampling Beneath USTs											
SS-1	8/9/2011	<10	<10	2.7	12	29	93	<2.5	7.5	**19**	2
SS-2	8/9/2011	<8.0	<8.0	<2.0	<2.0	<2.0	<2.0	<2.0	2.4	**3.8**	<1.0
SS-3	8/9/2011	0.057	0.026	<0.0046	<0.0046	<0.0046	0.0059	<0.0046	<0.0046	<0.0046	<1.0
SS-4	8/9/2011	0.045	<0.02	<0.005	0.005	<0.005	<0.005	0.0066	0.011	<0.005	<1.0
CS-1-CS-4 Composite	8/9/2011	<5.0	<5.0	<1.3	3.3	9.8	30	<1.3	1.8	**4.5**	<1.0
Sampling Beneath Fuel Piping											
T-Junction	8/18/2011	0.087	<0.019	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.98
B-1	8/18/2011	0.025	<0.02	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<1
B-2	8/18/2011	0.320	<0.130	0.048	0.250	<0.033	<0.033	0.055	0.250	0.670	1.4
B-3	8/18/2011	<0.018	<0.018	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.99
B-4	8/18/2011	<0.019	<0.019	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.98
D-1	8/18/2011	**0.710**	**<0.1**	<0.26	0.038	<0.026	0.099	<0.026	<0.026	<0.026	<0.98
D-2	8/18/2011	0.170	<0.019	<0.0048	0.0072	0.0054	0.029	<0.0048	<0.0048	<0.0048	<0.99
ESL - Shallow Soil Residential, Potential Drinking		0.500	0.077	NA	NA	NA	NA	NA	NA	1.3	NA
ESL-Deep Soil Residential, Potential Drinking		0.500	0.077	NA	NA	NA	NA	NA	NA	3.4	NA

Table 2:
Confirmation Soil Analytical Data
2844 Mountain Blvd, Oakland, CA

Sample ID	Date	Cadmium (mg/kg)	Chromium (mg/kg)	Lead (mg/kg)	Nickel (mg/kg)	Zinc (mg/kg)
Sampling Beneath USTs						
SS-1	8/9/2011	<0.25	**190**	3.7	**800**	45
SS-2	8/9/2011	0.26	**320**	1.9	**1,400**	36
SS-3	8/9/2011	<0.25	**250**	1.0	**1,000**	36
SS-4	8/9/2011	<0.25	**230**	1.6	**1,000**	39
CS-1-CS-4 Composite	8/9/2011	<0.25	**280**	2.5	**1,100**	39
Sampling Beneath Fuel Piping						
T-Junction	8/18/2011	<0.25	**260**	4.10	**890**	40
B-1	8/18/2011	<0.25	**240**	3.00	**840**	38
B-2	8/18/2011	<0.25	**260**	5.10	**860**	39
B-3	8/18/2011	<0.25	**260**	2.70	**900**	400
B-4	8/18/2011	<0.25	**280**	2.50	**940**	36
D-1	8/18/2011	<0.25	**220**	2.50	**800**	35
D-2	8/18/2011	<0.25	**280**	3.10	**980**	37
ESL - Shallow Soil Residential, Potential Drinking		1.70	100.00	200.00	150.00	600.00
ESL-Deep Soil Residential, Potential Drinking		39.00	250.00	750.00	260.00	2,500.00

Note:

C: Presence confirmed, but RPD between columns exceeds 40%

Y: Sample exhibits chromatographic pattern which does not resemble standard

<: Below laboratory-reporting limit

ESL: California Regional Water Quality Control Board, Environmental Screening Levels, Shallow/Deep Soil, Commercial, Groundwater is a current or potential source of drinking water, Tables A and C. Interim Final November 2007, Revised May 2008

APPENDIX A

RELEVANT UST REMOVAL DOCUMENTATION

CITY OF OAKLAND
Fire Department
Fire Prevention Bureau
Hazardous Materials Program
250 Frank Ogawa Plaza, Suite 3341
Oakland, CA 94612

UNDERGROUND TANK CLOSURE PLAN

(Complete according to instructions)

1) Name of Business Montclair Gasoline

Business Owner or Contact Person (PRINT) Mr. Tejindar Singh

2) Site Address 2844 Mountain Blvd

City Oakland Zip _____ Phone 925-360-7777

3) Mailing Address 63525 Clark Street

City Pleasanton Zip 94568 Phone 925-360-7777

4) Property Owner Mr. Tejindar and Rajinder Singh

Business Name (if applicable) NA

Address 63525 Clark Street

City, State Pleasanton, CA Zip 94568

REVIEWED
OAKLAND FIRE DEPARTMENT
DATE 7/24/14
ALL INSPECTIONS REQUIRE 48 HOURS NOTICE

5) Generator name under which tank will be manifested

Mr. Tejindar Singh

EPA ID Under which tank will be manifested CA CAL000308988

6) Contractor CES - Controlled Environmental Services Inc.

Address P.O. Box 401

City OAKley CA Phone 925-625-1736

License Type A-HAZ #807330 IDS

Effective January 1, 1992, Business and Professional Code Section 7058.7 require contractors to also hold Hazardous Waste certification issued by the State Contractor License Board

7) Consultant (if applicable) SOMA Environmental Engineering, Inc
Address 6620 Owens Drive, Suite A,
City, State Pleasanton, CA Phone 925-734-6400

8) Main Contact Person for Investigation (if applicable)

Name Mr. Mansour Sepehr Title Principal

Company SOMA Environmental Engineering, Inc

Phone 925-734-6400

9) Number of underground tanks being closed with this plan 2 (Confirmed with owner operator)

10) State Registered Hazardous Waste Transporters/Facilities (see instructions)

**Underground storage tanks must be handled as hazardous waste **

a) Product/Residual Sludge/Rinsate Transporter

Name Unitwaste EPA I.D. NO. NVD 982358483

Hauler License No. 4919 License Exp. Date

Address 33204 Western Ave

City Union City State CA Zip 94587

b) Product/Residual Sludge/Rinsate Disposal Site

Name ~~Bay~~ Clearwater Env EPA ID No. NVD 982358483

Address 33204 Western Ave

City Union City State CA Zip 94587

c) Tank and Piping Transporter

Name CES EPA I.D. No. NON HAZARDOUS

c) Hauler License No. N/A License Exp. Date N/A

Address P.O. Box 401

City OAKLEY State CA Zip 94561

d) Tank and Piping Disposal Site

Name Scrap Yard / Republic Landfill EPA I.D. No. NON HAZARDOUS

Address 4001 N. VASCO Rd

City Livermore State CA Zip 94550

11) Sample Collector

Name E. Hightower

Company SOMA Environmental Engineering. Inc

Address 6620 Owens Drive, Suite A

City Pleasanton State CA Zip 94588

Phone 925-330-5235

12) Laboratory

Name Curtis and Tompkins LTD

Address 2323 Fifth Street

City Berkeley State CA Zip 94710

State Certification No. 01107CA

13) Have tanks or pipes leaked in the past Yes No (Unknown)

If yes, describe

14) Describe methods to be used for rendering tank (s): inert:

Dry ice
15lb per 1,000 gal of tank capacity

Before tanks are pumped out and inserted, all associated piping must be flushed out into the tanks. All accessible associated piping must then be removed. Inaccessible piping must be permanently plugged.

The Bay Area Air Quality Management District, 415/771-6000 must also be contacted for tank removal permit. The use of a combustible gas indicator to verify tank inertness is required. It is the contractor's responsibility to bring a working combustible gas indicator on-site to verify that the tank is inert. Note: you may be required to recalibrate the combustible gas indicator on site, to show that it is working properly.

15) Tank History and Sampling Information *** (see instructions) ***

Tank		Material to be sampled (tank contents, soil, groundwater)	Location and Depth of Samples
Capacity	Use History include date last used (estimated)		
10,000	gasoline	soil	④If no water - 2 samples per tank (one @ each end). No water sample
3,000		soil	②If water in excavation. - 2 soil samples per tank from wall next to tank ends @ soil/GW interface. One water sample

One soil sample must be collected for every 20 linear feet or piping that is removed. A ground water sample must be collected if any ground water is present in the excavation.

EXCAVATED/STOCKPILED SOIL

Stockpiled Soil volume (estimated)	NA

	Sampling Plan
	NA

Stockpiled soil must be placed on bermed plastic and must be completely covered by plastic sheeting

Will the excavated soil be returned to the excavation immediately after tank removal?

yes No (unknown)

If yes, explain reasoning _____

_____

If unknown at this point in time, please be aware that excavated soil may no be returned to the excavation without prior approval from Fire Department, Office of Emergency Services. This means that the contractor, consultant, or responsible party must communicate with the Hazardous Materials Inspector IN ADVANCE of backfilling operations.

16. Chemical methods and associated detection limits to be used for analyzing samples:

The Tri-Regional Board recommended minimum verification analyses and practical quantitation reporting limits should be followed.
See attached Table 2.

17. Submit Site Health and Safety Plan (see Instructions)

Contaminant Sought	EPA or Other Sample Preparation Method Number	EPA or Other Analysis Method Number	Method Detection Limit
Gasoline	8015M or 8260B	soil/water	50 ppm/50 ppb
VOCs	8260B	–	5.0 ppb/0.5 ppb
Total Lead	7421	–	0.25 ppm/3 ppb

18. Submit Workers Compensation Certificate copy

Name of Insurer State Compensation Insurance Fund

19. Submit Plot Plan ***(Be Instructions)***

20. Enclose Permit fee (See Instructions)

21. Report any leaks or contamination to this office within 5 days of discovery.

    The written report shall be made on an Underground Storage Tank Unauthorized Leak/Contamination Site Report, (ULR) form.

22. Submit a closure report to this office within 60 days of the tank removal. The report must contain all information listed in item 22 of the instructions.

23. Submit State (Underground storage Tank Permit Application) Forms A and B (one B form for each UST to be removed) (mark box 8 for A tank removed in the upper right hand corner)

I declare that to, the best of my knowledge and belief that the statements and information provided above are correct and true.

I understand that information, in addition to that proved above, may be needed in order to obtain approval from the Hazardous Materials Division and that no work is to begin on this project until this plan is approved.

I understand that any changes in design, materials or equipment will void this plan if prior approval is not obtained.

I understand that all work performed during this project will be done in compliance with all applicable OSHA. (Occupational Safety and health Administration) requirements concerning; personnel health and safety. I understand that site and worker safety are solely the responsibility of the property owner or his age and that this responsibility is not shared nor assumed by the City of Oakland.

Once I have received my stamped, accepted closure plan, I will contact the project Hazardous Materials Inspector at least three working days in advance of site-work, to schedule the required inspections.

CONTRACTOR INFORMATION

Name of Business CES Controlled Environmental Services, Inc.

Name of Individual _____

Signature _____ Date _____

PROPERTY OWNER OR MOST RECENT TANK OPERATOR (Circle one)

Name of Business _____

Name of Individual _____

Signature _____ Date _____

OP ID: 6M

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 07/26/11

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Barlocker Ins. Svs. - San Jose Lic. # 0580438 1330 S. Bascom Ave. San Jose, CA 95128 Richard Stockman 408-288-6262 408-298-7635	CONTACT NAME: PHONE (A/C, No, Ext): FAX (A/C, No): E-MAIL ADDRESS: PRODUCER CUSTOMER ID #: CONTRO2
INSURED CES Controlled Environmental Services, Inc. P.O. Box 401 Oakley, CA 94561	INSURER(S) AFFORDING COVERAGE — NAIC # INSURER A: Netherlands Insurance Company — 24171 INSURER B: Endurance American Specialty — 41718 INSURER C: Peerless Insurance Company — 24198 INSURER D: INSURER E: INSURER F:

COVERAGES CERTIFICATE NUMBER: REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
B	GENERAL LIABILITY X COMMERCIAL GENERAL LIABILITY CLAIMS-MADE X OCCUR X Pollution Liabili GEN'L AGGREGATE LIMIT APPLIES PER: X POLICY PRO-JECT LOC			ECC10100284302	09/01/10	09/01/11	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG	$ 1,000,000 $ 50,000 $ 5,000 $ 1,000,000 $ 2,000,000 $ 2,000,000
A	AUTOMOBILE LIABILITY X ANY AUTO ALL OWNED AUTOS SCHEDULED AUTOS HIRED AUTOS NON-OWNED AUTOS			BA8192210	09/01/10	09/01/11	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)	$ 1,000,000 $ $ $
B	UMBRELLA LIAB X OCCUR EXCESS LIAB CLAIMS-MADE DEDUCTIBLE RETENTION $			EXS10101117300	09/01/10	09/01/11	EACH OCCURRENCE AGGREGATE	$ 5,000,000 $ 5,000,000
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) Y/N If yes, describe under DESCRIPTION OF OPERATIONS below	N/A					WC STATU-TORY LIMITS / OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	$ $ $
B	Pollution Liab			ECC10100284302	09/01/10	09/01/11	Each Occ Aggregate	1,000,000 2,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

CERTIFICATE HOLDER

SOMAENV

SOMA Environmental Engineering Inc.
MR. Tejidar & Rajinder Singh
2844 Mountain Blvd
Oakland, CA 94602

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

CERTHOLDER COPY

NB

STATE COMPENSATION INSURANCE FUND

P.O. BOX 420807, SAN FRANCISCO,CA 94142-0807

CERTIFICATE OF WORKERS' COMPENSATION INSURANCE

ISSUE DATE: 07-26-2011

GROUP: 000318
POLICY NUMBER: 0000908-2009
CERTIFICATE ID: 71
CERTIFICATE EXPIRES:09-01-2011
09-01-2010/09-01-2011

SOMA ENVIRONMENTAL ENGINEERING INC. NB
MR. TEJIDAR & RAJINDER SINGH
2844 MOUNTAIN BLVD
OAKLAND CA 94602-2662

This is to certify that we have issued a valid Workers' Compensation insurance policy in a form approved by the California Insurance Commissioner to the employer named below for the policy period that will expire or did expire as indicated above.

This certificate of insurance is not an insurance policy and does not amend, extend or alter the coverage afforded by the policy listed herein. Notwithstanding any requirement, term or condition of any contract or other document with respect to which this certificate of insurance may be issued or to which it may pertain, the insurance afforded by the policy described herein is subject to all the terms, exclusions, and conditions, of such policy.

Authorized Representative

President and CEO

EMPLOYER'S LIABILITY LIMIT INCLUDING DEFENSE COSTS: $1,000,000 PER OCCURRENCE.

ENDORSEMENT #1600 - SHERRY KEMP TREAS - EXCLUDED.

ENDORSEMENT #1600 - DONNA PEDERSEN SEC - EXCLUDED.

ENDORSEMENT #1600 - MIKE PEDERSEN PRES - EXCLUDED.

ENDORSEMENT #1600 - BOB KEMP VP - EXCLUDED.

ENDORSEMENT #2065 ENTITLED CERTIFICATE HOLDERS' NOTICE EFFECTIVE 09-01-2010 IS ATTACHED TO AND FORMS A PART OF THIS POLICY.

EMPLOYER

C E S CONTROLLED ENVIRONMENTAL SERVICES INC
PO BOX 401
OAKLEY CA 94561

[B15,NG]

PRINTED : 07-26-2011

(REV.8-2010)

STATE OF CALIFORNIA

Contractors State License Board

Pursuant to Chapter 9 of Division 3 of the Business and Professions Code
and the Rules and Regulations of the Contractors State License Board,
the Registrar of Contractors does hereby issue this license to:

C E S CONTROLLED ENVIRONMENTAL SERVICES INC

to engage in the business or act in the capacity of a contractor
in the following classification(s):

A - GENERAL ENGINEERING CONTRACTOR
HAZ - HAZARDOUS SUBSTANCES REMOVAL

Witness my hand and seal this day,

April 30, 2002

Issued April 29, 2002

SIGNATURE OF LICENSEE

SIGNATURE OF LICENSE QUALIFIER

Stephen P. Sands
Registrar of Contractors

807330

License Number

This license is the property of the Registrar of Contractors, is not transferrable, and shall be returned to the Registrar upon demand when suspended, revoked, or invalidated for any reason. It becomes void if not renewed.

LIC 24 (REV. 7-01) OSP 01 59448

AUDIT NO. 261445

THIS DOCUMENT HAS A TRUE DOCUCHECK™ WATERMARK AND VISIBLE FIBERS DISCERNIBLE FROM BOTH SIDES

CITY OF OAKLAND

BUSINESS TAX CERTIFICATE

ACCOUNT NUMBER
1739646

The issuing of a Business Tax Certificate is for revenue purposes only. It does not relieve the taxpayer from the responsibility of complying with the requirements of any other agency of the City of Oakland and/or any other ordinance, law or regulation of the State of California, or any other governmental agency. The Business Tax Certificate expires on December 31st of each year. Per Section 85.04.190A, of the O.M.C. you are allowed a renewal grace period until March 1st the following year.

EXPIRATION DATE
12/31/2011

CES CONTROLLED ENVIRONMENTAL SERVICES

BUSINESS LOCATION
3900 MAIN ST # B
OAKLEY, CA 94561-5760

BUSINESS TYPE H Construction Contractors

NAME
CES CONTROLL ENVIROMNETAL SERVICES

MAILING ADDRESS
PO BOX 401
OAKLEY, CA, 94561-0401

THIS DOCUMENT IS ALTERATION PROTECTED AND REFLECTS FLUORESCENT FIBERS UNDER UV LIGHT

A BUSINESS TAX CERTIFICATE IS REQUIRED FOR EACH BUSINESS LOCATION AND IS NOT VALID FOR ANY OTHER ADDRESS.

YOU MAY BE REQUIRED TO OBTAIN A VALID ZONING CLEARANCE TO OPERATE YOUR BUSINESS LEGALLY. RENTAL OF REAL PROPERTY IS EXCLUDED FROM ZONING.

PUBLIC INFORMATION ABOVE THIS LINE TO BE CONSPICUOUSLY POSTED!

THIS DOCUMENT HAS A TRUE DOCUCHECK™ WATERMARK AND VISIBLE FIBERS DISCERNIBLE FROM BOTH SIDES

CITY OF OAKLAND

BUSINESS TAX CERTIFICATE

ACCOUNT NUMBER
3122344

The issuing of a Business Tax Certificate is for revenue purposes only. It does not relieve the taxpayer from the responsibility of complying with the requirements of any other agency of the City of Oakland and/or any other ordinance, law or regulation of the State of California, or any other governmental agency. The Business Tax Certificate expires on December 31st of each year. Per Section 85.04.190A, of the O.M.C. you are allowed a renewal grace period until March 1st the following year.

EXPIRATION DATE
12/31/2011

BUSINESS LOCATION
SOMA ENVIRONMENTAL ENGINEERING INC.
6620 OWENS DR # A
PLEASANTON, CA 94588-3334

BUSINESS TYPE
F Professional/Semi-Professional

NAME
MAILING ADDRESS
SOMA ENVIRONMENTAL ENGINEERING INC.
6620 OWENS DR # A
PLEASANTON, CA, 94588-3334

THIS DOCUMENT IS ALTERATION PROTECTED AND REFLECTS FLUORESCENT FIBERS UNDER UV LIGHT

A BUSINESS TAX CERTIFICATE IS REQUIRED FOR EACH BUSINESS LOCATION AND IS NOT VALID FOR ANY OTHER ADDRESS.

YOU MAY BE REQUIRED TO OBTAIN A VALID ZONING CLEARANCE TO OPERATE YOUR BUSINESS LEGALLY. RENTAL OF REAL PROPERTY IS EXCLUDED FROM ZONING.

PUBLIC INFORMATION ABOVE THIS LINE TO BE CONSPICUOUSLY POSTED!

SOMAE-2 OP ID: VV

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 06/10/11

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Lawson-Hawks Insurance Assoc. Lic. #0401806 1091 N.Shoreline Blvd,POBox 39 Mountain View, CA 94042 Walter Joyce 800-964-8121 650-964-0816	CONTACT NAME: PHONE (A/C, No, Ext): FAX (A/C, No): E-MAIL ADDRESS:
INSURED Soma Envir. Engineering Inc Joyce Bobek 6620 Owens Dr., Ste A Pleasanton, CA 94588	INSURER(S) AFFORDING COVERAGE — NAIC # INSURER A : Westchester Surplus Lines Ins — 10172 INSURER B : INSURER C : INSURER D : INSURER E : INSURER F :

COVERAGES CERTIFICATE NUMBER: REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	GENERAL LIABILITY X COMMERCIAL GENERAL LIABILITY CLAIMS-MADE X OCCUR X PROF/POLL $1MIL GEN'L AGGREGATE LIMIT APPLIES PER: POLICY PRO-JECT LOC	X		G24054366003	01/01/11	01/01/12	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG	$ 1,000,000 $ 50,000 $ 5,000 $ 1,000,000 $ 2,000,000 $ 2,000,000
	AUTOMOBILE LIABILITY ANY AUTO ALL OWNED AUTOS HIRED AUTOS SCHEDULED AUTOS NON-OWNED AUTOS						COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)	$ $ $ $
	UMBRELLA LIAB OCCUR EXCESS LIAB CLAIMS-MADE DED RETENTION $						EACH OCCURRENCE AGGREGATE	$ $
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) Y / N N/A If yes, describe under DESCRIPTION OF OPERATIONS below						WC STATU-TORY LIMITS OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	$ $ $

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

CERTIFICATE HOLDER

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

IMPORTANT

If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

DISCLAIMER

This Certificate of Insurance does not constitute a contract between the issuing insurer(s), authorized representative or producer, and the certificate holder, nor does it affirmatively or negatively amend, extend or alter the coverage afforded by the policies listed thereon.

Named Insured SOMA Environmental Engineering, Inc.			Endorsement Number
Policy Symbol: EPW	Policy Number: G24054366003	Policy Period: 01/01/2011 TO 01/01/2012	Effective Date of Endorsement: 01/01/2011
Insured By (Name of Insurance Company): Westchester Surplus Lines Insurance Co			

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

ADDITIONAL INSURED ENDORSEMENT
OWNERS, LESSEES OR CONTRACTORS – SCHEDULED PERSON OR ORGANIZATION

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE
CONTRACTOR'S POLLUTION LIABILITY COVERAGE

SCHEDULE:

Name of Person or Organization:
Any person or organization that is an owner of real property or personal property on which you are performing operations, or a contractor on whose behalf you are performing operations, and only at the specific written request of such person or organization to you, wherein such request is made prior to commencement of operations.

(If no entry appears above, information required to complete this endorsement will be shown in the Declarations as applicable to this endorsement

A. SECTION II - WHO IS AN INSURED is amended to include as an insured the person or organization shown in the Schedule, but only with respect to liability arising out of your ongoing operations performed for that insured.

B. With respect to the insurance afforded to these additional insureds, the following exclusion is added:

2. Exclusions

This insurance does not apply to bodily injury or property damage occurring after:

(1) All work, including materials, parts or equipment furnished in connection with such work, on the project (other than service, maintenance or repairs) to be performed by or on behalf of the additional insured(s) at the site of the covered operations has been completed; or

(2) That portion of your work out of which the injury or damage arises has been put to its intended use by any person or organization other than another contractor or subcontractor engaged in performing operations for a principal as a part of the same project.

20. Enclose Permit fee (See Instructions)

21. Report any leaks or contamination to this office within 5 days of discovery.

    The written report shall be made on an Underground Storage Tank Unauthorized Leak/Contamination Site Report, (ULR) form.

22. Submit a closure report to this office within 60 days of the tank removal. The report must contain all information listed in item 22 of the instructions.

23. Submit State (Underground storage Tank Permit Application) Forms A and B (one B form for each UST to be removed) (mark box 8 for Atank removed in the upper right hand corner)

I declare that to, the best of my knowledge and belief that the statements and information provided above are correct and true.

I understand that information, in addition to that proved above, may be needed in order to obtain approval from the Hazardous Materials Division and that no work is to begin on this project until this plan is approved.

I understand that any changes in design, materials or equipment will void this plan if prior approval is not obtained.

I understand that all work performed during this project will be done in compliance with all applicable OSHA. (Occupational Safety and health Administration) requirements concerning; personnel health and safety. I understand that site and worker safety are solely the responsibility of the property owner or his age and that this responsibility is not shared nor assumed by the City of Oakland.

Once I have received my stamped, accepted closure plan, I will contact the project Hazardous Materials Inspector at least three working days in advance of site-work, to schedule the required inspections.

CONTRACTOR INFORMATION

Name of Business CES Controlled Environmental Services, Inc.

Name of Individual _____

Signature _____ Date _____

PROPERTY OWNER OR MOST RECENT TANK OPERATOR (Circle one)

Name of Business Power Quality & Electrical Systems, Inc. (PQES, Inc.)

Name of Individual TEJINDAR P SINGH

Signature Tejinder Date 7-26-11

20. Enclose Permit fee (See Instructions)

21. Report any leaks or contamination to this office within 5 days of discovery.

    The written report shall be made on an Underground Storage Tank Unauthorized Leak/Contamination Site Report, (ULR) form.

22. Submit a closure report to this office within 60 days of the tank removal. The report must contain all information listed in item 22 of the instructions.

23. Submit State (Underground storage Tank Permit Application) Forms A and B (one B form for each UST to be removed) (mark box S for Atank removed in the upper right hand corner)

I declare that to, the best of my knowledge and belief that the statements and information provided above are correct and true.

I understand that information, in addition to that proved above, may be needed in order to obtain approval from the Hazardous Materials Division and that no work is to begin on this project until this plan is approved.

I understand that any changes in design, materials or equipment will void this plan if prior approval is not obtained.

I understand that all work performed during this project will be done in compliance with all applicable OSHA. (Occupational Safety and health Administration) requirements concerning; personnel health and safety. I understand that site and worker safety are solely the responsibility of the property owner or his age and that this responsibility is not shared nor assumed by the City of Oakland.

Once I have received my stamped, accepted closure plan, I will contact the project Hazardous Materials Inspector at least three working days in advance of site-work, to schedule the required inspections.

CONTRACTOR INFORMATION

Name of Business CES-Controlled Environmental Services, INC.

Name of Individual Bob Kemp

Signature [signature] Date 7-25-11

PROPERTY OWNER OR MOST RECENT TANK OPERATOR (Circle one)

Name of Business _____

Name of Individual _____

Signature _____ Date _____

321 Court Street
Woodland California 95695
Tel (530) 406-1760
Fax (530) 406-1071
B, Haz License 835330

SITE SPECIFIC HEALTH AND SAFETY PLAN FOR UST REMOVAL & SAMPLING PLAN

PROJECT SITE:
Montclair Gasoline
2844 Mountain Boulevard
Oakland CA 94601

PREPARED BY:
Matriks Corporation
321 Court Street
Woodland California 95695
530-406-1760

June 21, 2011

Other Fees

Consultation Fee / FP Engineer time ($243.00/hr)

☐ Building Permit Fire Code Review - 65% of Building Permit Cost:

○ 150.00

○ 243.00

Total Cost	**$ 757.50**

Billing Invoice Date:

Updated 3/31/08

321 Court Street
Woodland California 95695
Tel (530) 406-1760
Fax (530) 406-1071
B, Haz License 835330

SITE SPECIFIC HEALTH AND SAFETY PLAN FOR UST REMOVAL & SAMPLING PLAN

PROJECT SITE:
Montclair Gasoline
2844 Mountain Boulevard
Oakland CA 94601

PREPARED BY:
Matriks Corporation
321 Court Street
Woodland California 95695
530-406-1760

June 21, 2011

PLAN REVIEW LOG

JOB # - P11-0605 File _____

Date Submitted: Jul 5, 2011
Date Assigned: Jul 5, 2011

Job Site: 2844 Mountain blvd.

Company Name: Matriks Corp.

Company Phone #: 530-406-1760

Contact Person: Christine Truesdale

Expedite/After Hours: ○ Yes ◉ No

Type of Plans: ust removal

Reviewer: Insp Matthews

Fees Paid: No

Fees Paid Date: Jul 5, 2011

Disposition

Pick Up/Mailed Date

Pick up person: Tejindar P. Singh

Pick up person Phone #: same

Resubmitted: ○ Yes ○ No
○ 1st ○ 3rd
○ 2nd ○ 4th

Resubmitted Dates
1.) _____
2.) _____
3.) _____
4.) _____

Reviewed Dates
1.) Jul 11, 2011
2.)
3.)
4.)

Amount of Time: 1

Review Complete Date: Mon, Jul 11, 2011

Plan Check Fees (NO inspections included)

Submittal/Resubmittal, full price for each system

			Units	Subtotal
a.	Sprinkler System/Zone	○ 243.00		
b.	Standpipe System	○ 243.00		
c.	Underground Main	○ 243.00		
d.	Fire Pump System	○ 243.00		
e.	Fire Hydrant	○ 243.00		
f.	FM 200, Halon, gas suppression system	○ 243.00		
g.	Dry chemical suppression system	○ 243.00		
h.	Spray Booth Installation	○ 243.00		
	Expedited plan check fee (a-h) min 2.0 hr (FP Engineer)	○ 352.00		
i.	Evacuation Plans	○ 243.00		
j.	Fire Alarm System	○ 243.00		
k.	Range Hood & Duct Suppression System	○ 243.00		
	Expedited plan check fee (i-j) min 2.0 hrs (Fire Inspector)	○ 352.00		

Inspection Fees

a.	Inspection, $150.00/hour	○ 150.00	
b.	Reinspection, $150.00/hour	○ 150.00	
c.	After Hours Inspection ($225.00 x 2.5 hrs/min) $225.00 p/hr after min	○ 562.50	

Tank Permit Fees/CUPA

a.	Removal, 1st Tank ($243.00/hr x 2.5 hrs min + inspection $150.00)	◉ 757.50	$757.50
	$150.00 each additional tank	○ 150.00	
b.	Installation, 1st Tank ($243.00/hr x 2.5 hrs min. plus inspection $599.00)	○ 1206.50	
	$150.00 each additional tank	○ 150.00	
c.	Modifications: _____	○ 150.00	

Other Fees

	Consultation Fee / FP Engineer time ($243.00/hr)	○ 243.00	
☐	Building Permit Fire Code Review - 65% of Building Permit Cost:		

Total Cost $ 757.50

REVIEWED
OAKLAND FIRE DEPARTMENT
BY
DATE 7/24/11
ALL INSPECTIONS REQUIRE 48 HOURS NOTICE

Comments

received via overnight mail, application to remove ust; ltr stated owner will be sending pymt; sending out invoice via mail to Matriks c.p.

NTC completed 6-26-11

Mailing Address

Matriks Corp.
321 Court St.
Woodland CA 95695

Date:	Check #	Amount Received:

Total Amount Received:

Total Amount Due: $757.50

Billing Invoice Date:

Updated 3/31/08

321 Court Street
Woodland California 95695
Tel (530) 406-1760
Fax (530) 406-1071
B, Haz License 835330

SITE SPECIFIC HEALTH AND SAFETY PLAN FOR UST REMOVAL & SAMPLING PLAN

PROJECT SITE:
Montclair Gasoline
2844 Mountain Boulevard
Oakland CA 94601

PREPARED BY:
Matriks Corporation
321 Court Street
Woodland California 95695
530-406-1760

June 21, 2011

I. **Site: 2844 Mountain Boulevard, Oakland CA**

II. **Key Personnel and Project Assignments**

PROJECT ASSIGNMENT	NAME/AGENCY	PHONE
Principal Contractor	Matriks Corporation	(530) 406-1760
Site Supervisor/ Safety	Rob Neimeyer	(707) 592-4167
Project Manager	Tom Henderson	(530) 908-5209
Site Contact	Tajindar & Rajinder Singh	(925) 360-7777

III. **Scope of Work**

Remove two underground storage tanks (UST) for the listed site.

IV. **Site Characterization and Analysis**

A. **Description of on-site wastes, (based on previous site evaluation by others)**

Site soil and groundwater is expected to have areas of saturation of elevated concentrations of gasoline.

V. **Level of Protection**

Level D - Level D is the basic work uniform. Protective equipment will include steel-toed work boots, work gloves, safety glasses, and a non-conductive hard hat.

Level C - Level C personnel protective equipment will be donned when airborne concentrations of volatile organic compounds exceeds 10 ppm as measured by a photo-ionization detector (PID). The level C equipment will include the equipment required for level D protection and air purifying respirators with organic vapor cartridges.

VI. Control Boundaries

Very little pedestrian traffic is anticipated. Unauthorized personnel will not be allowed into the work area. Pedestrians will be prevented from entering the work area by erecting temporary barriers clearly marking the work area. The facility is not presently operating.

VII. Site Security

The work area boundaries will be identified with caution tape.

VIII. Emergency Response

A. Decontamination procedures for personnel injured or exposed in the work zone. Assist the injured or exposed worker out of the sampling area when possible. If possible, carefully remove his PPE, and remove your own, according to standard decontamination procedures administer CPR/first aid as needed. Call for medical help immediately.

B. Emergency Response Plan

The on-site Site Safety Officer will have final authority on site health and safety methods concerning work.

C. Telephone numbers of emergency agencies, key contractor and responsible party.

NAME/AGENCY		TELEPHONE
Ambulance		**911**
Sheriff's Department		**911**
Fire Department		**911**
Project Consultant	Matriks Corp.	(530) 406-1760
Health/Safety Coordinator	Rob Neimeyer	(707) 592-4167
California EPA	Toxic Substances Control	(800) 554-0349
US EPA	Emergency Spills	(415) 974-8131
Federal OSHA	OSHA	(800) 648-1003
Unknown Chemical	CHEMTREC	(800) 424-9300
Underground Service Alert	USA	(800) 227-2600

IX. CHEMICAL HAZARD ANALYSIS

SUBSTANCE	OSHA PER	ACGIH TVL	NIOSH REL
Benzene	1 ppm	10 ppm	0.1 ppm
Toluene	100 ppm	50 ppm	100 ppm
Ethylbenzene	25 ppm	100 ppm	100 ppm
Total Xylenes	100 ppm	100 ppm	100 ppm

Toxicological hazards of BTEX, (including local and systemic health effects) in general:

1. **Benzene** = Breathing of high concentrations of benzene may cause acute poisoning, and death. Repeated inhalation of low concentration often results in severe or fatal anemia. Also, an eye irritant.
2. **Toluene** = Eye and respiratory irritant. Extreme inhalation of vapors may cause death by paralysis of the respiratory center.
3. **Ethylbenzene** = Severely irritating to eyes in strong concentrations. As tolerance to irritation increases, dizziness becomes apparent. Also, highly irritating to mucous membranes of the nose.
4. **Xylene** = Toxic; vapors in high concentration are anesthetic. Irritant to the skin and upper respiratory system.

X. PHYSICAL HAZARD ANALYSIS

Utilities - Aboveground and underground utilities exist at the site. Underground Service Alert will be notified prior to breaking ground at the site.

Heat Stress - Heat Stress caused by adverse climatic conditions should be considered. Signs of heat stress include physical discomfort, loss of efficiency, personal injury, and may increase the possibility of accidents. To reduce the effects of heat stress:

* Drink plenty of fluids or electrolyte containing drinks;
* Plan for work schedules that provide appropriate rest schedules; and
* Provide the employees with adequate training on the causes of heat stress and preventive measures.

Noise - Workers may be exposed to noise from the operation of equipment. Hearing protection will be used in high noise areas.

Slip, Trip, and Fall - Hazards such as potholes, nails, construction debris, etc. exist throughout the site. Boreholes or trenches will be properly secured to prevent falling injuries.

Striking Injuries - Hard hats are required to be worn at all times while in the work zone at the site. The hard hats must be worn properly and not be modified or altered in any way other than meets with the manufacturers' specifications.

Eye Injuries - Eye protection must be worn to prevent eye injuries from chemical or physical hazards. Approved safety glasses with side shield will be worn at all times while on site.

Fire or Explosion - During excavation, potential fire and explosion hazards exist. It is not anticipated

HOSPITAL ROUTE DIRECTIONS: See attached map for directions

Highland General Hospital
1411 East 31st
Oakland, CA 94602
(510) 437-4800

XI. SAMPLING PLAN

Persons collecting samples or analyzing samples shall follow soil/ground water sampling and analytical procedures detailed in the *Leaking Underground Fuel Tank (LUFT) Manual* and the *Tri-Regional Board Staff Recommendations for Preliminary Evaluation and Investigation of Underground Tank Sites*.

The Inspector shall approve the sampling method, sampling locations and number of samples required.

- Undisturbed soil samples shall be obtained in native soil a minimum of two feet beneath the bottom of the former UST location whenever possible. Undisturbed soil samples shall be collected and transported in a manner that prevents the lost of volatile organic compounds.
- Soil samples shall be collected by driving a tube type sampler or augering an auger type sampler directly into native soil at the desired location in the UST pit.
- If soil samples cannot be taken from the tank pit due to personal safety concerns then the soil samples may be taken from soil removed from the pit with a backhoe or similar device. Soil samples from the backhoe bucket shall be collected by driving a clean brass sampling tube into the soil contained in the backhoe bucket with a rubber mallet or other suitable device
- Soil samples shall be collected in clean brass tubes at least three inches long. The sampling tubes shall be completely filled and immediately covered on both ends with parafilm, Teflon, aluminum foil, or similar material designed to prevent loss of volatile compounds from the sample. The sampling tubes shall be capped and reinforced with duct tape or an appropriate substitute.

If water is not present in the tank pit, the location and number of samples collected shall be as follows:

- For USTs with a capacity less than 1,000 gallons, a minimum of one soil sample per tank shall be collected beneath the fill or pump end of the former tank.
- For USTs with a capacity between 1,000 gallons and 10,000 gallons, a

minimum of two samples, one beneath each end of the former tank, shall be collected.

- For USTs with capacity greater than 10,000 gallons, a minimum of three samples, one beneath each end and the midpoint of the former tank, shall be collected.
- For a UST cluster, a minimum of four samples, at the locations designated by the Inspector.
- One pipeline sample shall be collected for every 20 linear feet of piping present at a depth 12-18 inches beneath the piping or as directed by the Inspector.
- If obviously stained or contaminated areas are detected in locations other than the specified locations, additional soil samples shall be collected

If water is found in the UST pit, soil and water samples shall be collected as follows:

- For USTs with a capacity less than 10,000 gallons, a minimum of two soil samples from the side walls next to UST ends at the soil/ground water interface and one water sample.
- For USTs with a capacity greater than 10,000 gallons or a UST cluster, four soil samples, one from each side wall of the UST excavation, at the soil/ground water interface and one water sample.
- Whenever possible, water samples shall be collected in a device designed to reduce the loss of volatile components such as a bailer with a sampling port. Immediately after collection, the water shall be transferred into clean liter size glass bottles and volatile organic analysis (VOA) vials. The transfer of the water sample to the sample containers shall occur with as little agitation as possible. The sampling containers shall be completely filled and topped off. A Teflon septum shall be used to seal the vial. The sealing of all sample containers shall be reinforced with duct tape or an appropriate substitute.
- Prior to collecting a water sample from the UST pit, the existing water in the UST pit shall be completely purged and a sample collected from the resulting recharge.
- The water sample shall be collected from the surface of the UST pit water as well as approximately 12-18 inches below the water surface (if that depth is obtainable).

Sample Analysis

Soil and water samples shall be analyzed by a state certified laboratory using methods that provide quantitative results. Soil and groundwater samples will be analyzed for TPH-g, TPH-d, BTEX, oxygenates, and total lead. Analytical methods will include SW8260B, SW6010B, SW8015B, and SW8021B.

XII. ACKNOWLEDGMENT

The signatures contained heron are acknowledgments that the personnel have read and understood this Site-Specific Health and Safety Plan, and they agree to perform the proposed work activities in a safe manner in consistent with this plan and applicable Federal, State and/or local safety regulations.

NAME	SIGNATURE	DATE
Project Manager		
Project Safety Officer		
Project Team Member		
Project Team Member		
Project Team Member		

Google maps

Directions to Alameda County Medical Center
1411 East 31st Street, Oakland, CA 94602 - (510) 437-4800
2.5 mi – about **8 mins**

A 2844 Mountain Blvd, Oakland, CA 94602

1.	Head **southeast** on **Mountain Blvd** toward **Woodminster Ln**	go 279 ft total 279 ft
2.	Take the 1st right onto **Joaquin Miller Rd** About 1 min	go 213 ft total 492 ft
3.	Continue onto **Lincoln Ave** About 3 mins	go 1.2 mi total 1.3 mi
4.	Turn right onto **MacArthur Blvd** About 2 mins	go 0.6 mi total 1.9 mi
5.	Turn left onto **Ardley Ave** About 1 min	go 0.2 mi total 2.1 mi
6.	Take the 2nd right onto **E 31st St** Destination will be on the left About 2 mins	go 0.4 mi total 2.5 mi

B **Alameda County Medical Center**
1411 East 31st Street, Oakland, CA 94602 - (510) 437-4800

BAY AREA AIR QUALITY MANAGEMENT DISTRICT

COMPLIANCE & ENFORCEMENT DIVISION

Notification Form
Regulation 8 Rule 40

REMOVAL OF UNDERGROUND STORAGE TANKS *OR* TREATMENT OF CONTAMINATED SOIL

SITE OF ACTIVITY

Site Address: 2844 Mountain Blvd | **City & Zip:** Oakland | **Site#:**

Specific Location of Project within Address: near Werner Ct.

Owner/Operator: Mr. Tejindar Singh

Check any that apply (400 numbers refer to regulation section requiring reporting):

- [X] Tank Removal or Replacement *(401)*
- [ ] Contaminated Soil Excavation and Removal *(402)*
- [ ] Aeration of Soil < 50 ppmw organic content, but does not meet Section 118 Exemption *(403)*
- [ ] Section 114 Exempt; Date Pipeline Leak ***Started:*** _____ Vol. Of Soil: _____ *(403)*
- [ ] Section 115 Exempt; Date Contamination Unrelated to UST Activities ***Discovered:*** _____ *(405)*

If only Tank Removal is selected, attach results showing soil is not contaminated

CONTRACTOR INFORMATION

Name: CES Controlled Env. | **Site Contact:** Bob Kemp | **Phone:** 925-625-1736

Address: P.O Box 401, Oakley, CA

TANK REMOVAL *(Section 401)*

Scheduled Start Date: July 29, 11 – August 15, 204 | **Number and Size of Tank(s):** 1x10,000g; 1x3000gal

Explain Methods of:

Piping drainage or flushing *(310.1)* triple rince back to tanks with water and/or detergent

Liquid and sludge removal *(310.2)* Vaccuum Suction

Vapor removal *(310.3)* **[Check One]** [X] Water Displacement [ ] Vapor Freeing* [ ] Ventilation*

* Emission controls required for vapor freeing or ventilation if tank size greater than 250 gallons. (dry ice applic.)

COMPLETE INFORMATION BELOW OR ATTACH SAMPLE RESULTS SHOWING SOIL IS UNCONTAMINATED (310.4)

CONTAMINATED SOIL EXCAVATION AND REMOVAL *(Section 402)*

Scheduled Start Date: | **Scheduled Completion Date:**

Purpose of Excavation: _____

Quantity of Soil: _____ **Organic Content & Type:** _____

Methods used to quantify and analyze soil: _____

Method of Stockpile Control *(304-306)*

[ ] Water Spray [ ] Covered [ ] Vapor Suppressant (List Material Used): _____

Method of Site Closure *(306)*

[ ] Backfilled [ ] Contaminated Soil Removed

[ ] Onsite Treatment (Describe): _____ A/C or P/O #: _____

Loaded Trucks Covered? *(306.2)* [ ] Yes [ ] No

AERATION OF SOIL < 50 PPMW ORGANIC CONTENT *(Section 403)*

You must submit a Permit Application and Risk Screening Analysis *(Forms will be sent to you)*

FOR BAAQMD USE ONLY

Fax/PM Date:	By:	Disp to I#:	Area:	Date:	By:
Inv Req Date:	By:	Fwd to Supv.		Date:	By:

See Page Two to Complete This Form

OTHER PUBLIC AGENCY CONTACTED (Fire District, Hazardous Materials, City or County)?			
Agency Name:	Oakland Fire Department	Contact Name:	Keath Matthews.
Address:	250 Frank Ogawa Plaza, Suite 3341, Oakland	Phone:	510-238-2396

EMERGENCY REMOVAL ORDER APPLICABLE? Unknown.			
Agency Name:	City of Oakland	Contact Name:	Keath Matthews.
Address:	Note: No contamination threat, city attorney orders by August 1, 2011	Phone:	510-238-2396

GENERAL INFORMATION

- This notification form shall be used to notify the BAAQMD of any projects subject to the reporting requirements in Regulation 8, Rule 40, Sections 401 through 405. Notifications may be faxed to (415) 928-0338 or mailed to the address listed at the bottom of this form.
- An invoice for payment will be sent to the person listed under "Contractor Information" as the person responsible, unless the project is exempt from fee payment (see next item).
- See "Frequently Asked Questions" (FAQ) for definition of projects, change procedures, permit requirements, emergency conditions, project exemptions, and fee exemptions. For any questions not answered in the FAQ, contact the Compliance Assistance Counselor at (415) 749-4999.

INSTRUCTIONS

- **SITE OF ACTIVITY:** Give the site street address and indicate if it has any existing BAAQMD site number, for either a plant or GDF. Identify the specific project location if the site contains more than one building. Indicate all applicable activity types by checking appropriate boxes. For reporting requirements under Sections 401 through 403, additional information is required, as below.
- **CONTRACTOR INFORMATION:** Identify the contractor that is responsible for performing the work at the site location listed. This contractor is also responsible for payment of the applicable notification fee, if the project is not exempt.
- **SECTION 401 - TANK REMOVAL/REPLACEMENT:** All soils disturbed and/or excavated as part of the tank removal shall be subject to the requirements of Sections 304 through 306, unless the soil has been determined not to be contaminated by measurement of organic content using the procedures in Sections 601 and 602. Complete requirements for Section 402 or submit sample results showing that the soil is not contaminated.
- **SECTION 402 - CONTAMINATED SOIL EXCAVATION AND REMOVAL:**
  - Be as accurate as possible for the Scheduled Start and Completion Dates. Specific requirements apply for excavation projects triggered within either 45 or 90 days (Reg. 8-40-306.4) and Authority to Construct requirements for projects lasting longer than three months (Reg. 2-1-128.16).
  - If a vapor suppressant is used, attach a product data sheet or MSDS.
  - If Method of Site Closure used is Onsite Treatment, describe specific method, (e.g., bioremediation, vapor extraction, air sparging, thermal desorption, etc.).
  - If Onsite Treatment is used, indicate whether an Authority to Construct was obtained by providing the Application No. or attach copy of BAAQMD Certification of Exemption.
- **SECTION 403 – AERATION OF SOIL < 50 PPMW ORGANIC CONTENT:** Section 301 exempts from control the aeration of soil containing less than 50 ppmw of organic compounds, but Section 403 still requires reporting of **ANY** soil aeration. If such a project does not meet the exemption criteria of Section 118, then a Permit Application and Risk Screening Analysis must be submitted.
- **EMERGENCY REMOVAL INFORMATION (IF APPLICABLE):** The rule defines an emergency tank removal or excavation of contaminated soil as "carried out pursuant to an order of a state or local government agency issued because the contaminated soil poses an imminent threat to public health and safety." If the project(s) meet this definition, then identify the agency that issued the order. Under Section 402 requirements, on line two, identify the purpose as indicated in the order.

UNIFIED PROGRAM CONSOLIDATED FORM
UNDERGROUND STORAGE TANK
OPERATING PERMIT APPLICATION – FACILITY INFORMATION

(One form per facility)

TYPE OF ACTION (Check one item only) 400.
☐ 1. NEW PERMIT ☐ 3. RENEWAL PERMIT ☐ 5. CHANGE OF INFORMATION ☐ 6. TEMPORARY FACILITY CLOSURE ☐ 7. PERMANENT FACILITY CLOSURE ☐ 9. TRANSFER PERMIT

I. FACILITY INFORMATION

TOTAL NUMBER OF USTs AT FACILITY 404.: 2
FACILITY ID # (Agency Use Only) 1.:

BUSINESS NAME (Same as FACILITY NAME or DBA – Doing Business As) 3.:
Montclair Gasoline or Power Quality & Electrical Systems, Inc (PQES, Inc)

BUSINESS SITE ADDRESS 103.: 2844 Mountain Blvd,
CITY 104.: Oakland, CA

FACILITY TYPE 403.: ☐ 1. MOTOR VEHICLE FUELING ☒ 2. FUEL DISTRIBUTION ☐ 3. FARM ☐ 4. PROCESSOR ☐ 6. OTHER

Is the facility located on Indian Reservation or Trust lands? 405.: ☐ Yes ☒ No

II. PROPERTY OWNER INFORMATION

PROPERTY OWNER NAME 407.: Mr. Tejindar and Rajinder Singh
PHONE 408.: (925) 360-7777

MAILING ADDRESS 409.: ~~6833 Clark Street~~ 6400 Dublin Blvd

CITY 410.: ~~Pleasanton~~ Dublin
STATE 411.: CA
ZIP CODE 412.: 94568

III. TANK OPERATOR INFORMATION

TANK OPERATOR NAME 428-1.: Mr. Tejindar and Rajinder Singh
PHONE 428-2.: (925) 360-7777

MAILING ADDRESS 428-3.: ~~6833 Clark Street~~ 6400 Dublin Blvd

CITY 428-4.: ~~Pleasanton~~ Dublin
STATE 428-5.: CA
ZIP CODE 428-6.: 94568

IV. TANK OWNER INFORMATION

TANK OWNER NAME 414.: Mr. Tejindar and Rajinder Singh
PHONE 415.: (925) 360-7777

MAILING ADDRESS 416.: ~~6833 Clark Street~~ 6400 Dublin Blvd

CITY 417.: ~~Pleasanton~~ Dublin
STATE 418.: CA
ZIP CODE 419.: 94568

OWNER TYPE: 420.
☐ 4. LOCAL AGENCY/DISTRICT ☐ 5. COUNTY AGENCY ☐ 6. STATE AGENCY
☐ 7. FEDERAL AGENCY ☒ 8. NON-GOVERNMENT

V. BOARD OF EQUALIZATION UST STORAGE FEE ACCOUNT NUMBER

TY (TK) HQ 44- 0 4 1 0 0 5 421.: Call the State Board of Equalization, Fuel Tax Division, if there are questions.

VI. PERMIT HOLDER INFORMATION

Issue permit and send legal notifications and mailings to: 423.
☐ 1. FACILITY OWNER ☐ 4. TANK OPERATOR
☒ 3. TANK OWNER ☐ 5. FACILITY OPERATOR

SUPERVISOR OF DIVISION, SECTION, OR OFFICE (Required For Public Agencies Only) 406.:

VII. APPLICANT SIGNATURE

CERTIFICATION: I certify that the information provided herein is true, accurate, and in full compliance with legal requirements.

APPLICANT SIGNATURE: Tejindar
DATE 424.: 8-1-11
PHONE 425.: (925) 360-7777

APPLICANT NAME (print) 426.: TEJINDAR P. SINGH
APPLICANT TITLE 427.: Owner

UNIFIED PROGRAM CONSOLIDATED FORM
UNDERGROUND STORAGE TANK
OPERATING PERMIT APPLICATION – TANK INFORMATION (One form per UST)

TYPE OF ACTION (Check one item only. For an UST permanent closure or removal, complete only this section and Sections I, II, III, IV, and IX below) 430

☐ 1. NEW PERMIT ☒ 3. RENEWAL PERMIT ☐ 5. CHANGE OF INFORMATION
☐ 6. TEMPORARY UST CLOSURE ☐ 7. UST PERMANENT CLOSURE ON SITE ☐ 8. UST REMOVAL

DATE UST PERMANENTLY CLOSED: 430a | DATE EXISTING UST DISCOVERED: 430b

I. FACILITY INFORMATION

FACILITY ID # (*Agency Use Only*) 1

BUSINESS NAME (Same as FACILITY NAME or DBA-Doing Business As) 3
Montclair Gasoline Power Quality & Electrical Systems, Inc. (PQES, Inc.)

BUSINESS SITE ADDRESS 103: 2844 Mountain Blvd. | CITY 104: Oakland, CA

II. TANK DESCRIPTION

TANK ID # 432 | TANK MANUFACTURER 433 | TANK CONFIGURATION: THIS TANK IS 434
☐ 1. A STAND-ALONE TANK
☐ 2. ONE IN A COMPARTMENTED UNIT.
Complete one page for each compartment in the unit.

DATE UST SYSTEM INSTALLED 435 | TANK CAPACITY IN GALLONS 436: 3000 9 | NUMBER OF COMPARTMENTS IN THE UNIT 437

III. TANK USE AND CONTENTS

TANK USE 439
☒ 1a. MOTOR VEHICLE FUELING ☐ 1b. MARINA FUELING ☐ 1c. AVIATION FUELING
☐ 3. CHEMICAL PRODUCT STORAGE ☐ 4. HAZARDOUS WASTE (Includes Used Oil) ☐ 5. EMERGENCY GENERATOR FUEL [HSC §25281.5(c)]
☐ 6. OTHER GENERATOR FUEL ☐ 95. UNKNOWN ☐ 99. OTHER (Specify): 439a

CONTENTS 440
PETROLEUM: ☐ 1a. REGULAR UNLEADED ☐ 1c. MIDGRADE UNLEADED ☒ 1b. PREMIUM UNLEADED
☐ 3. DIESEL ☐ 5. JET FUEL ☐ 6. AVIATION GAS
☐ 8. PETROLEUM BLEND FUEL ☐ 9. OTHER PETROLEUM (Specify): 440a
NON-PETROLEUM: ☐ 7. USED OIL ☐ 10. ETHANOL
☐ 11. OTHER NON-PETROLEUM (Specify): 440b

IV. TANK CONSTRUCTION

TYPE OF TANK 443: ☒ 1. SINGLE WALL ☐ 2. DOUBLE WALL ☐ 95. UNKNOWN

PRIMARY CONTAINMENT 444
☐ 1. STEEL ☐ 3. FIBERGLASS ☐ 6. INTERNAL BLADDER
☒ 7. STEEL + INTERNAL LINING ☐ 95. UNKNOWN ☐ 99. OTHER (Specify): 444a

SECONDARY CONTAINMENT 445
☐ 1. STEEL ☐ 3. FIBERGLASS ☐ 6. EXTERIOR MEMBRANE LINER ☐ 7. JACKETED
☐ 90. NONE ☐ 95. UNKNOWN ☐ 99. OTHER (Specify): 445a

OVERFILL PREVENTION 452
☐ 1. AUDIBLE & VISUAL ALARMS ☐ 2. BALL FLOAT ☐ 3. FILL TUBE SHUT-OFF VALVE
☐ 4. TANK MEETS REQUIREMENTS FOR EXEMPTION FROM OVERFILL PREVENTION EQUIPMENT

V. PRODUCT / WASTE PIPING CONSTRUCTION

PIPING CONSTRUCTION 460: ☐ 1. SINGLE-WALLED ☐ 2. DOUBLE-WALLED ☐ 99. OTHER

SYSTEM TYPE 458: ☐ 1. PRESSURE ☐ 2. GRAVITY ☐ 3. CONVENTIONAL SUCTION ☐ 4. SAFE SUCTION [23 CCR §2636(a)(3)]

PRIMARY CONTAINMENT 464
☐ 1. STEEL ☐ 4. FIBERGLASS ☐ 8. FLEXIBLE ☐ 10. RIGID PLASTIC
☐ 90. NONE ☐ 95. UNKNOWN ☐ 99. OTHER(Specify): 464a

SECONDARY CONTAINMENT 464b
☐ 1. STEEL ☐ 4. FIBERGLASS ☐ 8. FLEXIBLE ☐ 10. RIGID PLASTIC
☐ 90. NONE ☐ 95. UNKNOWN ☐ 99. OTHER (Specify): 464c

PIPING/TURBINE CONTAINMENT SUMP TYPE 464d: ☐ 1. SINGLE WALL ☐ 2. DOUBLE WALL ☐ 90. NONE

VI. VENT, VAPOR RECOVERY (VR) AND RISER / FILL PIPE PIPING CONSTRUCTION

VENT PRIMARY CONTAINMENT	☐ 1. STEEL	☐ 4. FIBERGLASS	☐ 10. RIGID PLASTIC	☐ 90. NONE	☐ 99. OTHER (Specify)	464e 464e1
VENT SECONDARY CONTAINMENT	☐ 1. STEEL	☐ 4. FIBERGLASS	☐ 10. RIGID PLASTIC	☐ 90. NONE	☐ 99. OTHER (Specify)	464f 464f1
VR PRIMARY CONTAINMENT	☐ 1. STEEL	☐ 4. FIBERGLASS	☐ 10. RIGID PLASTIC	☐ 90. NONE	☐ 99. OTHER (Specify)	464g 464g1
VR SECONDARY CONTAINMENT	☐ 1. STEEL	☐ 4. FIBERGLASS	☐ 10. RIGID PLASTIC	☐ 90. NONE	☐ 99. OTHER (Specify)	464h 464h1
VENT PIPING TRANSITION SUMP TYPE	☐ 1. SINGLE WALL		☐ 2. DOUBLE WALL	☐ 90. NONE		464i.
RISER PRIMARY CONTAINMENT	☐ 1. STEEL	☐ 4. FIBERGLASS	☐ 10. RIGID PLASTIC	☐ 90. NONE	☐ 99. OTHER (Specify)	464j 464j1
RISER SECONDARY CONTAINMENT	☐ 1. STEEL	☐ 4. FIBERGLASS	☐ 10. RIGID PLASTIC	☐ 90. NONE	☐ 99. OTHER (Specify)	464k 464k1

FILL COMPONENTS INSTALLED 451a-c: ☐ 1. SPILL BUCKET ☐ 3. STRIKER PLATE/BOTTOM PROTECTOR ☐ 4. CONTAINMENT SUMP

VII. UNDER DISPENSER CONTAINMENT (UDC)

CONSTRUCTION TYPE	☐ 1. SINGLE WALL	☐ 2. DOUBLE WALL	☐ 3. NO DISPENSERS	☐ 90. NONE	469a
CONSTRUCTION MATERIAL	☐ 1. STEEL	☐ 4. FIBERGLASS	☐ 10. RIGID PLASTIC	☐ 99. OTHER (Specify)	469b-c

VIII. CORROSION PROTECTION

STEEL COMPONENT PROTECTION 448: ☐ 2. SACRIFICIAL ANODE(S) ☐ 4. IMPRESSED CURRENT ☐ 6. ISOLATION

IX. APPLICANT SIGNATURE

CERTIFICATION: I certify that this UST system is compatible with the hazardous substance stored and that the information provided herein is true, accurate, and in full compliance with legal requirements.

APPLICANT SIGNATURE | DATE 470: 8-1-11

APPLICANT NAME (print) 471: TEJINDAR P. SINGH | APPLICANT TITLE 472: Owner

UNIFIED PROGRAM CONSOLIDATED FORM
UNDERGROUND STORAGE TANK
OPERATING PERMIT APPLICATION – TANK INFORMATION (One form per UST)

TYPE OF ACTION (Check one item only. For an UST permanent closure or removal, complete only this section and Sections I, II, III, IV, and IX below) 430
☐ 1. NEW PERMIT ☒ 3. RENEWAL PERMIT ☐ 5. CHANGE OF INFORMATION
☐ 6. TEMPORARY UST CLOSURE ☐ 7. UST PERMANENT CLOSURE ON SITE ☐ 8. UST REMOVAL

DATE UST PERMANENTLY CLOSED: 430a | DATE EXISTING UST DISCOVERED: 430b

I. FACILITY INFORMATION

FACILITY ID # (*Agency Use Only*) 1

BUSINESS NAME (Same as FACILITY NAME or DBA-Doing Business As) 3
Montclair Gasoline Power Quality & Electrical Systems, Inc. (PQES, Inc.)

BUSINESS SITE ADDRESS 103: 2844 Mountain Blvd. | CITY 104: Oakland, CA

II. TANK DESCRIPTION

TANK ID # 432	TANK MANUFACTURER 433	TANK CONFIGURATION: THIS TANK IS 434
		☒ 1. A STAND-ALONE TANK ☐ 2. ONE IN A COMPARTMENTED UNIT. Complete one page for each compartment in the unit.
DATE UST SYSTEM INSTALLED 435	TANK CAPACITY IN GALLONS 436: 10,000 gallon	NUMBER OF COMPARTMENTS IN THE UNIT 437: ONE

III. TANK USE AND CONTENTS

TANK USE 439
☒ 1a. MOTOR VEHICLE FUELING ☐ 1b. MARINA FUELING ☐ 1c. AVIATION FUELING
☐ 3. CHEMICAL PRODUCT STORAGE ☐ 4. HAZARDOUS WASTE (Includes Used Oil) ☐ 5. EMERGENCY GENERATOR FUEL [HSC §25281.5(c)]
☐ 6. OTHER GENERATOR FUEL ☐ 95. UNKNOWN ☐ 99. OTHER (Specify): 439a

CONTENTS 440
PETROLEUM: ☒ 1a. REGULAR UNLEADED ☐ 1c. MIDGRADE UNLEADED ☐ 1b. PREMIUM UNLEADED
☐ 3. DIESEL ☐ 5. JET FUEL ☐ 6. AVIATION GAS
☐ 8. PETROLEUM BLEND FUEL ☐ 9. OTHER PETROLEUM (Specify): 440a
NON-PETROLEUM: ☐ 7. USED OIL ☐ 10. ETHANOL
☐ 11. OTHER NON-PETROLEUM (Specify): 440b

IV. TANK CONSTRUCTION

TYPE OF TANK 443: ☒ 1. SINGLE WALL ☐ 2. DOUBLE WALL ☐ 95. UNKNOWN

PRIMARY CONTAINMENT 444: ☐ 1. STEEL ☒ 3. FIBERGLASS ☐ 6. INTERNAL BLADDER
☐ 7. STEEL + INTERNAL LINING ☐ 95. UNKNOWN ☐ 99. OTHER (Specify): 444a

SECONDARY CONTAINMENT 445: ☐ 1. STEEL ☐ 3. FIBERGLASS ☐ 6. EXTERIOR MEMBRANE LINER ☐ 7. JACKETED
☐ 90. NONE ☐ 95. UNKNOWN ☐ 99. OTHER (Specify): 445a

OVERFILL PREVENTION 452: ☐ 1. AUDIBLE & VISUAL ALARMS ☐ 2. BALL FLOAT ☐ 3. FILL TUBE SHUT-OFF VALVE
☐ 4. TANK MEETS REQUIREMENTS FOR EXEMPTION FROM OVERFILL PREVENTION EQUIPMENT

V. PRODUCT / WASTE PIPING CONSTRUCTION

PIPING CONSTRUCTION 460: ☐ 1. SINGLE-WALLED ☒ 2. DOUBLE-WALLED ☐ 99. OTHER

SYSTEM TYPE 458: ☐ 1. PRESSURE ☐ 2. GRAVITY ☐ 3. CONVENTIONAL SUCTION ☐ 4. SAFE SUCTION [23 CCR §2636(a)(3)]

PRIMARY CONTAINMENT 464: ☐ 1. STEEL ☐ 4. FIBERGLASS ☐ 8. FLEXIBLE ☐ 10. RIGID PLASTIC
☐ 90. NONE ☐ 95. UNKNOWN ☐ 99. OTHER(Specify): 464a

SECONDARY CONTAINMENT 464b: ☐ 1. STEEL ☐ 4. FIBERGLASS ☐ 8. FLEXIBLE ☐ 10. RIGID PLASTIC
☐ 90. NONE ☐ 95. UNKNOWN ☐ 99. OTHER (Specify): 464c

PIPING/TURBINE CONTAINMENT SUMP TYPE 464d: ☐ 1. SINGLE WALL ☐ 2. DOUBLE WALL ☐ 90. NONE

VI. VENT, VAPOR RECOVERY (VR) AND RISER / FILL PIPE PIPING CONSTRUCTION

VENT PRIMARY CONTAINMENT	☐ 1. STEEL	☐ 4. FIBERGLASS	☐ 10. RIGID PLASTIC	☐ 90. NONE	☐ 99. OTHER (Specify)	464e / 464e1
VENT SECONDARY CONTAINMENT	☐ 1. STEEL	☐ 4. FIBERGLASS	☐ 10. RIGID PLASTIC	☐ 90. NONE	☐ 99. OTHER (Specify)	464f / 464f1
VR PRIMARY CONTAINMENT	☐ 1. STEEL	☐ 4. FIBERGLASS	☐ 10. RIGID PLASTIC	☐ 90. NONE	☐ 99. OTHER (Specify)	464g / 464g1
VR SECONDARY CONTAINMENT	☐ 1. STEEL	☐ 4. FIBERGLASS	☐ 10. RIGID PLASTIC	☐ 90. NONE	☐ 99. OTHER (Specify)	464h / 464h1
VENT PIPING TRANSITION SUMP TYPE	☐ 1. SINGLE WALL		☐ 2. DOUBLE WALL	☐ 90. NONE		464i
RISER PRIMARY CONTAINMENT	☐ 1. STEEL	☐ 4. FIBERGLASS	☐ 10. RIGID PLASTIC	☐ 90. NONE	☐ 99. OTHER (Specify)	464j / 464j1
RISER SECONDARY CONTAINMENT	☐ 1. STEEL	☐ 4. FIBERGLASS	☐ 10. RIGID PLASTIC	☐ 90. NONE	☐ 99. OTHER (Specify)	464k / 464k1
FILL COMPONENTS INSTALLED	☐ 1. SPILL BUCKET	☐ 3. STRIKER PLATE/BOTTOM PROTECTOR	☐ 4. CONTAINMENT SUMP			451a-c

VII. UNDER DISPENSER CONTAINMENT (UDC)

CONSTRUCTION TYPE	☐ 1. SINGLE WALL	☐ 2. DOUBLE WALL	☐ 3. NO DISPENSERS	☐ 90. NONE	469a
CONSTRUCTION MATERIAL	☐ 1. STEEL	☐ 4. FIBERGLASS	☐ 10. RIGID PLASTIC	☐ 99. OTHER (Specify)	469b-c

VIII. CORROSION PROTECTION

STEEL COMPONENT PROTECTION 448: ☐ 2. SACRIFICIAL ANODE(S) ☐ 4. IMPRESSED CURRENT ☐ 6. ISOLATION

IX. APPLICANT SIGNATURE

CERTIFICATION: I certify that this UST system is compatible with the hazardous substance stored and that the information provided herein is true, accurate, and in full compliance with legal requirements.

APPLICANT SIGNATURE | DATE 470: 8-1-11

APPLICANT NAME (print) 471: TEJINDAR P. SINGH | APPLICANT TITLE 472: Owner

PLAN REVIEW LOG

JOB # - P11-0605 File _____

Date Submitted
Jul 5, 2011
Date Assigned
Jul 5, 2011

Job Site
2844 Mountain blvd.

Company Name
Matriks Corp.

Type of Plans
ust removal

Company Phone #
530-406-1760

Reviewer
Insp Matthews

Contact Person
Christine Truesdale

Fees Paid
No

Expedite/After Hours
○ Yes ◉ No

Fees Paid Date
Jul 5, 2011

Disposition

Pick Up/Mailed Date

Pick up person
Tejindar P. Singh

Pick up person Phone #
same

Resubmitted
○ Yes ○ No
○ 1st ○ 3rd
○ 2nd ○ 4th

Resubmitted Dates
1.) _____
2.) _____
3.) _____
4.) _____

Reviewed Dates
1.) Jul 11, 2011
2.)
3.)
4.)

Amount of Time
1

Review Complete Date
Mon, Jul 11, 2011

Plan Check Fees (NO inspections included)
Submittal/Resubmittal, full price for each system

			Units	Subtotal
a.	Sprinkler System/Zone	○ 243.00		
b.	Standpipe System	○ 243.00		
c.	Underground Main	○ 243.00		
d.	Fire Pump System	○ 243.00		
e.	Fire Hydrant	○ 243.00		
f.	FM 200, Halon, gas suppression system	○ 243.00		
g.	Dry chemical suppression system	○ 243.00		
h.	Spray Booth Installation	○ 243.00		
	Expedited plan check fee (a-h) min 2.0 hr (FP Engineer)	○ 352.00		
i.	Evacuation Plans	○ 243.00		
j.	Fire Alarm System	○ 243.00		
k.	Range Hood & Duct Suppression System	○ 243.00		
	Expedited plan check fee (i-j) min 2.0 hrs (Fire Inspector)	○ 352.00		

Inspection Fees

a.	Inspection, $150.00/hour	○ 150.00	
b.	Reinspection, $150.00/hour	○ 150.00	
c.	After Hours Inspection ($225.00 x 2.5 hrs/min) $225.00 p/hr after min	○ 562.50	

Tank Permit Fees/CUPA

a.	Removal, 1st Tank ($243.00/hr x 2.5 hrs min + inspection $150.00)	◉ 757.50	$757.50
	$150.00 each additional tank	○ 150.00	
b.	Installation, 1st Tank ($243.00/hr x 2.5 hrs min. plus inspection $599.00)	○ 1206.50	
	$150.00 each additional tank	○ 150.00	
c.	Modifications: _____	○ 150.00	

Other Fees

	Consultation Fee / FP Engineer time ($243.00/hr)	○ 243.00	
☐	Building Permit Fire Code Review - 65% of Building Permit Cost:		
		Total Cost	**$ 757.50**

REVIEWED
OAKLAND FIRE DEPARTMENT
BY
DATE 11 Jul 11
ALL INSPECTIONS REQUIRE
48 HOURS NOTICE

Comments

received via overnight mail, application to remove ust; ltr stated owner will be sending pymt; sending out invoice us mail to Matriks c.p.

Mailing Address

Matriks Corp.
321 Court St.
Woodland CA 95695

Date:	Check #	Amount Received:

Total Amount Received:

Total Amount Due: **$757.50**

Billing Invoice Date:

Updated 3/31/08

OAKLAND FIRE DEPARTMENT, OES
UNDERGROUND STORAGE TANK CLOSURE/REMOVAL FIELD INSPECTION REPORT

AKA: Montclair Gas
DBA

Site Address: 3844 Mountain Blvd.	Name of Facility: Compare Prices Gas
Inspector: Keith Matthews	Contact on site: Elizabeth Hightower
Date and Time of Arrival: 8-9-11 @ 10:10; 8-18-11 @ 13:12	Contractor/Consultant: Soma Environmental

General Requirements	Yes	No	N/A
Approved closure plan on site.	✓		
Changes to approved plan noted.			✓
Residuals properly stored/transported.	✓		
Receipt for adequate dry ice noted.	✓		

General Requirements	Yes	No	N/A
Site Safety Plan properly signed.	✓		
40B:C fire extinguisher on site.	✓		
"No Smoking" signs posted.	✓		
Gas detector challenged by inspector.	✓		

Tank Observations	T #1	T #2	T #3	T #4
Tank Capacity (gallons)	3K	10K		
Material last stored	gas	gas		
Dry ice used (pounds)	100	350		
Combustible gas concentration as %LEL. *(Note time & sampling point)*				
(1)	0	0		
(2)	0	0		
(3)				
Oxygen concentration as % volume. *(Note time &sampling point.)*				
(1)	5	8		
(2)	12	12		
(3)				
Tank Material				
Wrapping/Coating, if any				
Obvious holes?				

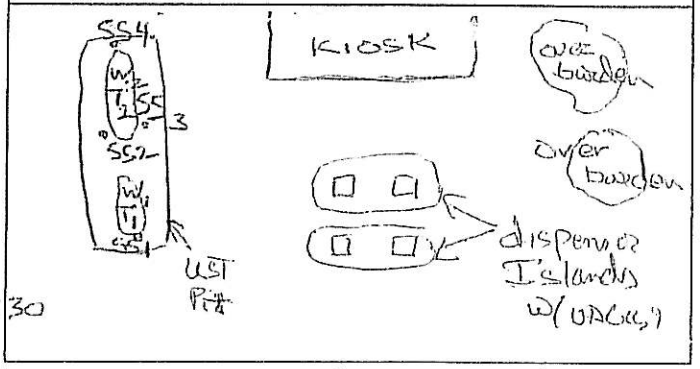
Tank Observations	T #1	T #2	T #3	T #4
Obvious corrosion?	Yes	No		
Obvious odors from tank?	No	No		
Seams intact?	Yes	Yes		
Tank bed backfill material	Yes	Yes		
Obvious discoloration?	Yes	Yes		
Obvious odors ex tank bed?	Yes	Yes		
Water in excavation?	Yes	Yes		
Sheen/product on water?	Yes	Yes		
Tank tagged by transporter?	Yes	Yes		
Tank wrapped for transport?	No	No		
Tank plugged w/ vent cap?	No	No		
Date/time tank hauled off?	8-9-11 12:25			
No. of soil samples taken?	4	+ 1 - 4 Pt. composite		
Depth of soil samples (ft. bgs)	11'	From over burden		

Piping Removal	Yes	No	N/A
All piping removed hauled off w/ tanks?		✓	
Obvious holes on pipes?		✓	
Obvious odors from pipes?	✓		
Obvious soil discoloration in piping trench?	✓		
Obvious odors from piping trench?	✓		
Water in piping trench?		✓	
Number & depth of soil samples from piping trench?	7ea. @ 2' of Native		
Number & depth of water samples from piping trench?			

General Observations	Yes	No	N/A
Leak from any tank suspected?		✓	
"Leak Report" form given to the operator?			✓
Obviously contaminated soil excavated?	✓		
Soil stockpile sampled?	✓		
Stockpile lined AND covered?	✓		
Water in excavation sampled? (Kim)	2 @ 11' bgs		
Number/depth of water samples taken?	Yes		
All samples properly preserved for transport?	✓		

Additional Observations	Yes	No	N/A
Soil/water sampling protocols acceptable?	✓		
Sampling "chain of custody" noted?	✓		
Tank pit filled in or covered?	✓		
Tank pit fenced or barricaded?	✓	TK	
Transporter a registered HW hauler? Manifest	✓		✓
Uniform HW Manifest completed?			✓
Contractor/Consultant reminded of complete UST Removal Report due within 30 days?	✓		
Date/Time removal/closure operations completed?		8-18-11 @ 14:30	
OT hours or additional charges due from contractor?		1 hour	

SITE & SAMPLING DIAGRAM



Notes/Comments: 150-Gallon Fuel Rinsate; Controlled Environmental removed USTs. Alameda County Health (Jerry Whickam + OFD agreed to have contaminated over burden back inside excavation until disposal money is available; Soma Environmental will remove piping & UDC(s) on another day i.e. 8-18-11

OAKLAND FIRE DEPARTMENT/FIRE PREVENTION BUREAU
HAZARDOUS MATERIALS UNIT

250 FRANK H. OGAWA PLAZA, SUITE 3341, OAKLAND, CA 94612-2032 • (510) 238-3927

HAZARDOUS MATERIALS INSPECTION REPORT

Site Number	Facility Name	Facility Address	Zip Code
	Compare Prices Gas	2844 Mountain Blvd.	07

Inspection Report

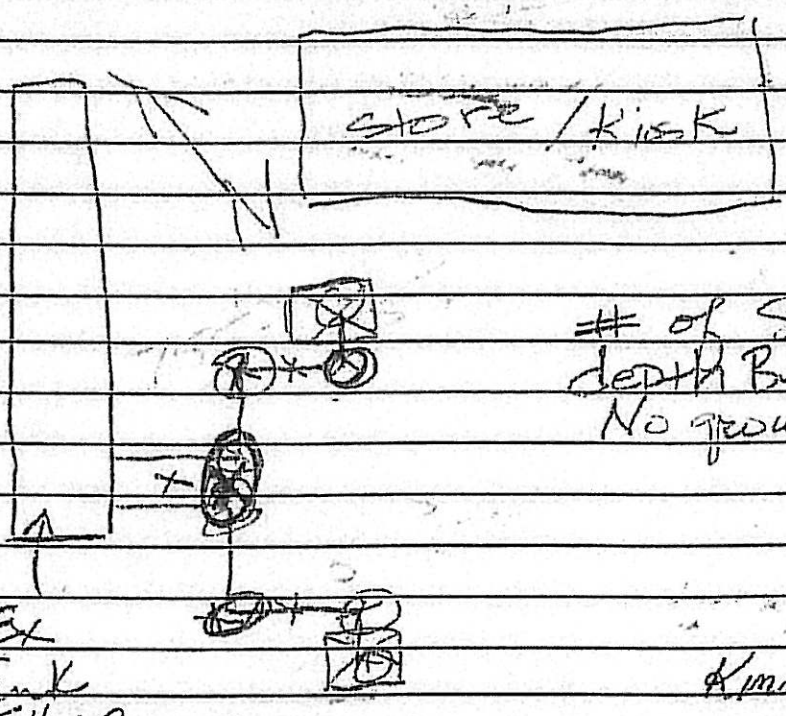
Arrived 13:10

☐ PERMISSION TO INSPECT GRANTED

RE: Removal of Piping & Piping trench / UDC Sampling

Soma Environmental (Sampling) & Control Petroleum Services (Equipment operators)

925-734-6400 925-625-1736



of Samples Taken 7

depth Below grade 2 to 3.5

No ground water was encountered

Kmatthews@OaklandNet.com

Facility Contact/Print Name:	Inspected By:	☐ AFM Griffin	238-7759
Erica Fisher efisher@somaenv.com		☒ Insp. Matthews	238-2396
Facility Contact/Signature:	238-3927	☐ Insp. Skillern	238-7253
Erica Fisher 925.734-6400 Cell 929 989 8250		☐ _____	238-3927
		Date: 8-18-11	

538-156 (10/10)

CES Controlled Environmental Services

General Engineering & Construction
License #807330 A-Haz
54 Pier, Ste 103, San Francisco, CA 94158
Telephone (415) 206-1151 ~ Fax (415) 247-2983

CERTIFICATION OF TANK CLEANING

This letter certifies the cleaning of above/under ground storage tanks. Product, sludge and rinse water have been removed from each tank.. Each tank is empty, has been inerted, capped and locked in place (If applicable)

Location of Tank Cleaning: 2844 - Mountain Blvd, Oakland CA.

Tank Composition & Size: 1. 1 - 10,000 Gallon Fiberglass (Gas)

2. 1 - 3,000 Gallon Steel (Gas)

3. _____

4. _____

Method of Cleaning: Hot Pressure Washing

Date of Cleaning: 8-8-11

Dry Ice: 500 #s 8-9-11

% LEL: 0 % OXY: 10

Amount of Product Removed: 150 Gallons

Tank Cleaning Company: CES Controlled Environmental Services

Certification of Tank Owner

CES Controlled Environmental Services
Project Manager

UNIFIED PROGRAM CONSOLIDATED FORM

HAZARDOUS WASTE

HAZARDOUS WASTE TANK CLOSURE CERTIFICATION

Page of

I. FACILITY IDENTIFICATION

BUSINESS NAME (Same as FACILITY NAME or DBA – Doing Business As) 3: Closed facility

FACILITY ID# 1:

TANK OWNER NAME 740: Tejinder Sing

TANK OWNER ADDRESS 741: 2844 - Mountain BLVD

TANK OWNER CITY 742: Oakland | STATE 743: CA | ZIP CODE 744: 94602

II. TANK CLOSURE INFORMATION

TANK INTERIOR ATMOSPHERE READINGS	Tank ID # (Attach additional copies of this page for more than three tanks)	Concentration of Flammable Vapor			Concentration of Oxygen		
		Top	Center	Bottom	Top	Center	Bottom
1	10,000 (745)	0 (746a)	0 (746b)	0 (746c)	10 (747a)	9.6 (747b)	9.9 (747c)
2	3,000 (748)	0 (749a)	0 (749b)	0 (749c)	9.8 (750a)	9.6 (750b)	9.4 (750c)
3	(751)	(752a)	(752b)	(752c)	(753a)	(753b)	(753c)

III. CERTIFICATION

On examination of the tank, I certify the tank is visually free from product, sludge, scale (thin, flaky residual of tank contents), rinseate and debris. I further certify that the information provided herein is true and accurate to the best of my knowledge.

SIGNATURE OF CERTIFIER: Bob K

NAME OF CERTIFIER (Print) 754: Bob Kemp

TITLE OF CERTIFIER 755: V.P

ADDRESS 756: PO Box 401

CITY 757: Oakley CA

PHONE 758: 925-625-1736

DATE 759: 8-9-11

CERTIFICATION TIME:

STATUS OR AFFILIATION OF CERTIFYING PERSON

Certifier is a representative of the CUPA, authorized agency, or LIA: 760 ☐ Yes ☒ No

Name of CUPA, authorized agency, or LIA: 761

If certifier is other than CUPA / LIA check appropriate box below: 762

- ☐ a. Certified Industrial Hygienist (CIH)
- ☐ b. Certified Safety Professional (CSP)
- ☐ c. Certified Marine Chemist (CMC)
- ☐ d. Registered Environmental Health Specialist (REHS)
- ☐ e. Professional Engineer (PE)
- ☐ f. Class II Registered Environmental Assessor
- ☒ g. Contractors' State License Board licensed contractor (with hazardous substance removal certification)

TANK PREVIOUSLY HELD FLAMMABLE OR COMBUSTIBLE MATERIALS 763

(If yes, the tank interior atmosphere shall be re-checked with a combustible gas indicator prior to work being conducted on the tank.) ☒ Yes ☐ No

CERTIFIER'S TANK MANAGEMENT INSTRUCTIONS FOR SCRAP DEALER, DISPOSAL FACILITY, ETC: 764

DO NOT CUT WITH OPEN FLAME, NO SMOKING AROUND THE TANK.

A copy of this certificate shall accompany the tank to the recycling / disposal facility and be provided to the CUPA. If there is no CUPA, copies shall be submitted to the LIA and authorized agency; owner / operator of the tank system; removal contractor; and the recycling / disposal facility.

Big Sky Environmental Solutions

Waste Oil/Antifreeze Recycling
Filter Recycling • Tire Disposal

P.O. Box 481
Benicia, CA 94510
(800) 479-7993

EPA # CAL 000346010
Bill of Lading

INVOICE № 12968

Date 8/9/11

Billing Information

Name	Job Site Name	PO# Cash Check
CEMI	Tejwder Singh	
Address	**Address**	**Customer EPA#**
5204 Lawton	2844 Mountain Blvd	CAC002672449
City State Zip	**City State Zip**	
West City CA	Oakland CA 94602	
Phone #	**Phone #**	**Customer ID#**

Product/Proper Shipping Description	Waste Code	Manifest Number	Quantity	Units	Price	Amount
Used Oil, Non RCRA Hazardous Waste, Liquid	221	00271640	001	DF		
Used Automotive Antifreeze, Non RCRA Hazardous Waste, Liquid	134					
Oily Water, Non RCRA Hazardous Waste, Liquid	223					
Oily Solids, Non RCRA Hazardous Waste, Solid	352					
~~Drained Used Oil & Gasoline Filters~~ Fuel 1993	D001 314	00271640	003	dm		
Tire Disposal 1 oBR		1 MAN X 5 HES				
Drum Setup/Pickup 1 81	Metal / Poly	Size 5/15/30/55 New	00	dm/df		

Total

Clearwater Environmental MGMT 2430 Almond Drive, Silver Springs, NV 89429 800-471-2105 NVD982358483	Ramos Environmental 1515 S River Road, West Sacramento, CA 95691 916-371-5747 CAD044003556	Big Sky Enterprises 401 W Channel Road, Benicia, CA 94510 510-541-2128 CAL000301699	Bayside Oil II, Inc. 210 Encinal Street, Santa Cruz, CA 95060 831-427-3773 CAD008388222
DK Dixon 7300 Chevron Way, Dixon, CA 95620 707-693-6008 CAT080012602	Crosby & Overton 1630 W 17th Street, Long Beach, CA 90813 562-432-5445 CAD028409019		

Driver Signature Todd Ellis Generator Signature

Big Sky Environmental Solutions

Waste Oil/Antifreeze Recycling
Filter Recycling • Tire Disposal

P.O. Box 481
Benicia, CA 94510
(800) 479-7993

EPA # CAL 000346010
Bill of Lading

INVOICE Nº 10165

Date 8 / 8 / 11

Billing Information

Name	Job Site Name	PO# Cash Check
~~Controlled Environmental Serv.~~ CEMS	Tejinder Singh	
Address	Address	Customer EPA#
33204 Weston Ave	2844 Mountain Blvd	CAC002 672 448
City State Zip	City State Zip	
Union City Ca	Oakland Ca 94602	
Phone #	Phone #	Customer ID#
510-476-1740		

Product/Proper Shipping Description	Waste Code	Manifest Number	Quantity	Units	Price	Amount
Used Oil, Non RCRA Hazardous Waste, Liquid	221					
Used Automotive Antifreeze, Non RCRA Hazardous Waste, Liquid	134					
Oily Water, Non RCRA Hazardous Waste, Liquid	223		165	Gal.		7½ Hairson Stk
Oily Solids, Non RCRA Hazardous Waste, Solid	352					
Drained Used Oil & Gasoline Filters						
Tire Disposal						
Drum Setup/Pickup	Metal/ Poly	Size 5/15/30/55				

Total

Clearwater Environmental MGMT
2430 Almond Drive, Silver Springs, NV 89429
800-471-2105
NVD982358483

DK Dixon
7300 Chevron Way, Dixon, CA 95620
707-693-6008
CAT080012602 X

Ramos Environmental
1515 S River Road, West Sacramento, CA 95691
916-371-5747
CAD044003556

Crosby & Overton
1630 W 17th Street, Long Beach, CA 90813
562-432-5445
CAD028409019

Big Sky Enterprises
401 W Channel Road, Benicia, CA 94510
510-541-2128
CAL000301639

Bayside Oil II, Inc.
210 Encinal Street, Santa Cruz, CA 95060
831-427-3773
CAD08838222

Driver Signature _____ Generator Signature _____

Universal Services Recycling Inc
3200 South El Dorado
Stockton, CA 95206
(209) 944-9555
RC - 13349

Tran No B 1527873

1527873

CUSTOMER COPY

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professionals code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Seller 32795

LEELAND DAVIS

Driver's Licence: ()

Vehicle:

8/19/2011 12:27:58 PM

Commodity	Gross	Tare	Net	Adj	UnitPrice	UM	Amount
#1 Unprepared HMS	14660	11220	3440	0.0%	$0.0900	LB	*$309.60*

Total Payment **$309.60**

SUMA
Steel
THANK
Recycling

JOB#3438

PAID

BILL OF SALE

I HEREBY STATE THAT I AM THE LAWFUL OWNER OF THE MATERIAL DESCRIBED HEREON, THAT I HAVE A RIGHT TO SELL SAME, AND THAT FOR PAYMENT RECEIVED IN FULL, HEREBY ACKNOWLEDGE, I SELL AND CONVEY TITLE OF SAME TO USR INC. I DECLARE UNDER PENALTY OF PERJURY THAT THE FOREGOING IS TRUE AND CORRECT.

EXECUTED AT STOCKTON, CA. THIS DATE:

8/19/2011 12:27:58 PM

I received from USR Inc. the amount of $309.60

X_____

Seller's Signature

USR INC WEIGHMASTER:

DEPUTY GREG OLSEN

WEIGHED AT 3200 SOUTH EL DORADO,
STOCKTON, CALIFORNIA

HOLD HARMLESS AGREEMENT. Seller will indemnify and hold buyer harmless from damages, demands and liabilities, including reasonable attorney's fees, resulting from breach of any warranty hereunder and driver agrees to be responsible for damage to vehicle during unloading.

CASH / CHECK

CUSTOMER COPY

1804730

KELLER CANYON LANDFILL
901 BAILEY ROAD
PITTSBURG, CA

3438

005348
CONTROLLED ENVIROMENTAL SERV.
PO BOX 401

OAKLEY, CA 94561
Contract# #P042

SITE	TICKET	GRID
01	6353297	

WEIGHTMASTER: FELIPE C

DATE IN	TIME IN
11 August 2011	2:53 pm

DATE OUT	TIME OUT
11 August 2011	3:16 pm

VEHICLE	ROLL OFF
CE8467	

REFERENCE	ORIGIN
	OAKLAND

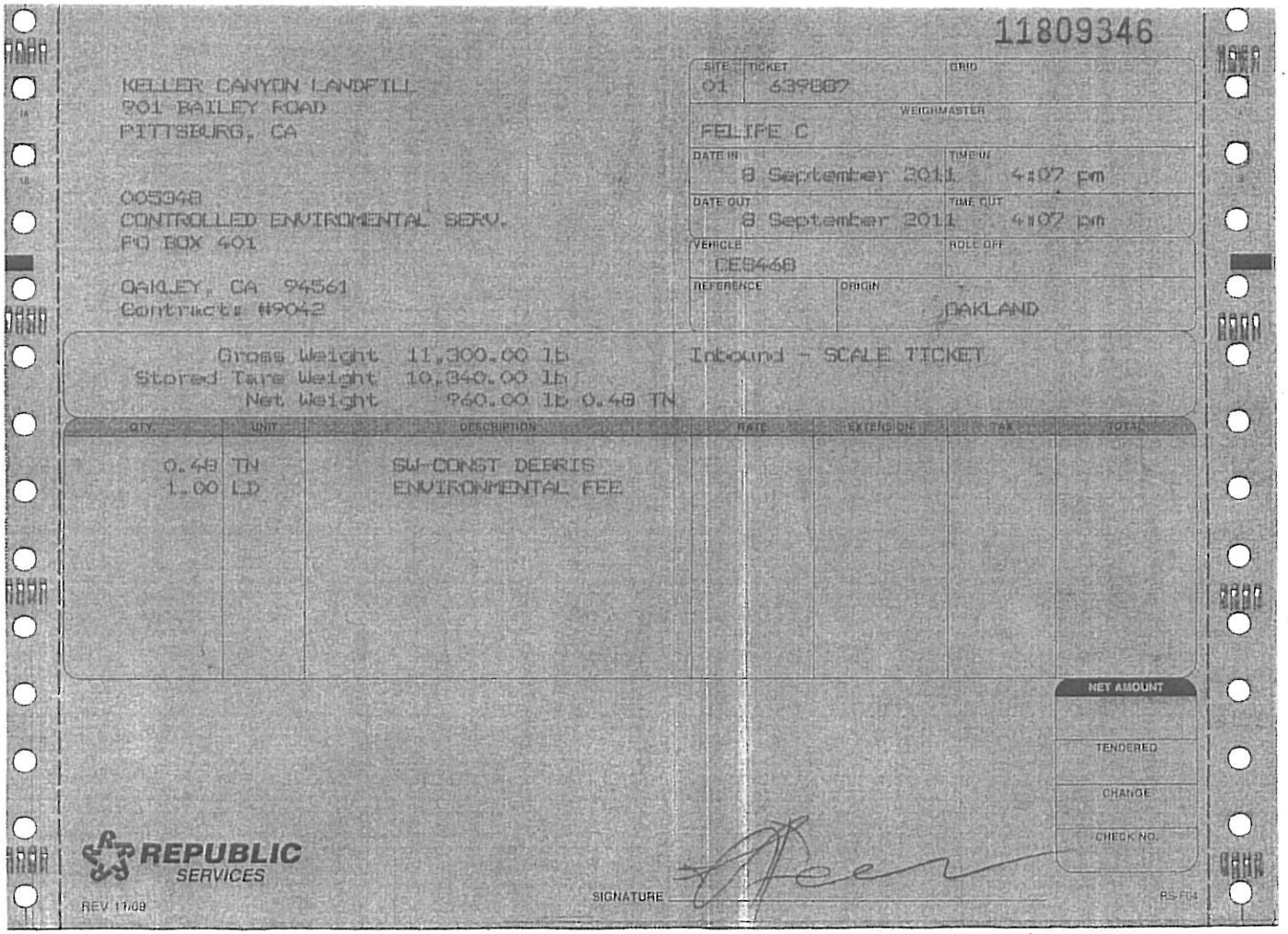
00 Gross Weight 15,300.00 lb
Tare Weight 13,280.00 lb
Net Weight 2,020.00 lb 1.01 TN

Inbound - SCALE TICKET

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
1.01	TN	SW-CONST DEBRIS				
1.00	LD	ENVIRONMENTAL FEE				

NET AMOUNT

10-K FIBERGLASS
TANK DISPOSAL.



11809346

KELLER CANYON LANDFILL
901 BAILEY ROAD
PITTSBURG, CA

005348
CONTROLLED ENVIRONMENTAL SERV.
PO BOX 401

OAKLEY, CA 94561
Contract# #9042

SITE	TICKET	GRID
01	639887	

WEIGHMASTER: FELIPE C

DATE IN	TIME IN
8 September 2011	4:07 pm

DATE OUT	TIME OUT
8 September 2011	4:07 pm

VEHICLE	ROLL OFF
CES468	

REFERENCE	ORIGIN
	OAKLAND

Gross Weight 11,300.00 lb
Stored Tare Weight 10,840.00 lb
Net Weight 460.00 lb 0.48 TN

Inbound - SCALE TICKET

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.48	TN	SW-CONST DEBRIS				
1.00	LD	ENVIRONMENTAL FEE				

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

REPUBLIC SERVICES

REV 11/09

SIGNATURE

RS-F04

Fiberglass piping disposal tag
for 2844 Mountain Blvd, Oakland, CA

OAKLAND FIRE DEPARTMENT/FIRE PREVENTION BUREAU
HAZARDOUS MATERIALS UNIT

250 FRANK H. OGAWA PLAZA, SUITE 3341, OAKLAND, CA 94612-2032 • (510) 238-3927

HAZARDOUS MATERIALS INSPECTION REPORT

Site Number	Facility Name	Facility Address	Zip Code
	Compare Prices Gas	28444 Mountain Blvd.	07

Inspection Report

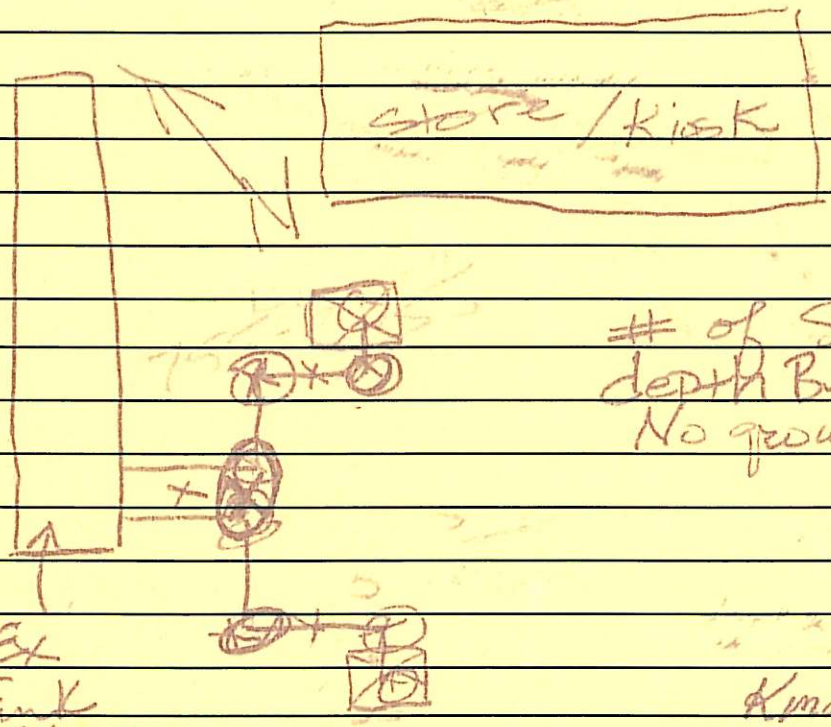
Arrived 13:10

☐ **PERMISSION TO INSPECT GRANTED**

RE: Removal of Piping + Piping trench / UDC Sampling

Soma Environmental (Sampling) 925-734-6400

& Controlled Envi. Services (Equipment operators) 925-625-1736



# of Samples Taken 7

depth Below grade 2 to 3.5

No ground water was encountered

kmatthews@oaklandnet.com

Facility Contact/Print Name:	Inspected By:	☐ AFM Griffin	238-7759
Erica Fisher efisher@somaenv.com		☒ Insp. Matthews	238-2396
Facility Contact/Signature:	238-3927	☐ Insp. Skillern	238-7253
Erica Fisher 925.734-6400 cell 929 989 8250		☐ _____	238-3927
	Date: 8-18-11		

538-156 (10/10)

APPENDIX B

PHOTOGRAPHIC DOCUMENTATION

Plate 1. Removing pumps

Plate 2. Removed concrete

Plate 3. Uncovered tanks

Plate 4. Application of vapor suppressant during excavation

Plate 5. PG&E arrived for gas line disconnection

Plate 6. PG&E excavating in order to reach the gas line

Plate 7. PG&E excavation showing the disconnected line

Plate 8. Standing water inside the excavation

Plate 9. UST pit with tanks still in place

Plate 10. Lifting the smaller UST (3,000-gallons) out of the ground

Plate 11. UST pit upon removal of first UST

Plate 12. Larger UST removed (10,000-gallons)

Plate 13. UST pit upon removal of second UST

Plate 14. Layering the bottom of excavation with visqueen

Plate 15. Layering the bottom of excavation with visqueen

Plate 16. Layering the top of excavation with visqueen upon soil return to the pit

Plate 17. Concrete rubble covering the top visqueen layer

Plate 18. Backfilled fuel trenches

APPENDIX C

LABORATORY REPORTS AND CHAIN OF CUSTODY FORMS

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

Laboratory Job Number 230191
ANALYTICAL REPORT

SOMA Environmental Engineering Inc.
6620 Owens Dr.
Pleasanton, CA 94588

Project : 5086
Location : 2844 Mountain Blvd, Oakland
Level : II

Sample ID	Lab ID
SS-1	230191-001
SS-2	230191-002
SS-3	230191-003
SS-4	230191-004
CS-1	230191-005
CS-2	230191-006
CS-3	230191-007
CS-4	230191-008
CS-1-CS-4 COMPOSITE	230191-009
T-1	230191-010
T-2	230191-011

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

Signature: _____ Date: 08/22/2011
Project Manager

NELAP # 01107CA

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	**230191**
Client:	**SOMA Environmental Engineering Inc.**
Project:	**5086**
Location:	**2844 Mountain Blvd, Oakland**
Request Date:	**08/10/11**
Samples Received:	**08/10/11**

This data package contains sample and QC results for four soil samples, two water samples, and one four-point soil composite, requested for the above referenced project on 08/10/11. The samples were received cold and intact.

TPH-Purgeables and/or BTXE by GC (EPA 8015B):
Matrix spikes QC603933,QC603934 (batch 177732) were not reported because the parent sample was reanalyzed in another batch. High surrogate recovery was observed for bromofluorobenzene (FID) in SS-4 (lab # 230191-004). No other analytical problems were encountered.

TPH-Extractables by GC (EPA 8015B) Water:
Low surrogate recoveries were observed for o-terphenyl in the MS/MSD for batch 177786; the parent sample was not a project sample. No other analytical problems were encountered.

TPH-Extractables by GC (EPA 8015B) Soil:
SS-1 (lab # 230191-001) and SS-2 (lab # 230191-002) were diluted due to the dark and viscous nature of the sample extracts. No other analytical problems were encountered.

Alcohols by GC (EPA 8015B) Water:
No analytical problems were encountered.

Alcohols by GC (EPA 8015B) Soil:
No analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B) Water:
No analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B) Soil:
Methylene chloride was detected above the RL in SS-3 (lab # 230191-003); this analyte is a common laboratory contaminant. SS-2 (lab # 230191-002) was diluted due to high hydrocarbons. No other analytical problems were encountered.

Metals (EPA 6010B) Water:
No analytical problems were encountered.

Metals (EPA 6010B) Soil:
No analytical problems were encountered.

CHAIN OF CUSTODY

Curtis & Tompkins, Ltd
Analytical Laboratory Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510)486-0900 Phone
(510)486-0532 Fax

LOGIN # 230191

Project No: 5086

Project Name: 2844 Mountain Blvd., Oakland

Turnaround Time: Standard

Sampler: Lizzie Hightower

Report To: Joyce Bobek

Company : SOMA Environmental

Telephone: 925-734-6400

Fax: 925-734-6401

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Matrix: Water	Matrix: Waste	# of Containers	Preservative: HCL	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: ICE
1	SS-1	8/9/11 12:10	*			6-inch sleeve				*
2	SS-2	8/9/11 12:15	*			6-inch sleeve				*
3	SS-3	8/9/11 12:19	*			6-inch sleeve				*
4	SS-4	8/9/11 12:26	*			6-inch sleeve				*
5	CS-1	8/9/11 12:40	*			6-inch sleeve				*
6	CS-2	8/9/11 12:46	*			6-inch sleeve				*
7	CS-3	8/9/11 12:50	*			6-inch sleeve				*
8	CS-4	8/9/11 12:56	*			6-inch sleeve				*
10	T-1	8/9/11 14:05		*		6-40 mL VOAs, 2-500 mL Ambers	*			*
				*		2-250 mL Poly			*	*
11	T-2	8/9/11 14:32		*		6-40 mL VOAs, 2-500 mL Ambers	*			*
				*		2-250 mL Poly			*	*

9

Analyses

TPH-g, TPH-d, Method 8015M	VOCs, Method 8260B (Full List)	Gasoline Oxygenates & Lead Scavengers, Method 8260B	Ethanol	Methanol	LUFT Metals		TPH-d, Method 8015	TPH-g,VOCs, Method 8260B (Full List)	Gasoline Oxygenates & Lead Scavengers, Method 8260B	Ethanol	Methanol	LUFT Metals
*	*	*	*	*	*							
*	*	*	*	*	*							
*	*	*	*	*	*							
*	*	*	*	*	*							
*	*	*	*	*	*		* Composite *					
*	*	*	*	*	*							
*	*	*	*	*	*							
*	*	*	*	*	*							
							*	*	*	*	*	
												*
							*	*	*	*	*	
												*

Notes: **EDF OUTPUT REQUIRED**
Gas Ox: MtBE, DIPE, ETBE, TAME, TBA
Lead Scavengers: 1,2-DCA, EDB
Please make one composite sample from CS-1 thru CS-4

RELINQUISHED BY:

E. Hightower 8/10/11 11:37 DATE/TIME

DATE/TIME

DATE/TIME

RECEIVED BY:

8/10/11 1137 DATE/TIME

DATE/TIME

DATE/TIME

COOLER RECEIPT CHECKLIST Curtis & Tompkins, Ltd.

Login # 230191 Date Received 8/10/11 Number of coolers 1
Client SOMA ENVIRONMENTAL Project 2644 MOUNTAIN BLVD OAKLAND

Date Opened 8/10/11 By (print) ISABELLE C. (sign)
Date Logged in 8/11/11 By (print) VINA ORSHI (sign)

1. Did cooler come with a shipping slip (airbill, etc)_____ YES (NO)
Shipping info_____

2A. Were custody seals present? .... ☐ YES (circle) on cooler on samples ☒ NO
How many _____ Name_____ Date_____
2B. Were custody seals intact upon arrival? _____ YES NO (N/A)
3. Were custody papers dry and intact when received?_____ (YES) NO
4. Were custody papers filled out properly (ink, signed, etc)? _____ (YES) NO
5. Is the project identifiable from custody papers? (If so fill out top of form)___ (YES) NO
6. Indicate the packing in cooler: (if other, describe)_____

☐ Bubble Wrap ☒ Foam blocks ☒ Bags ☐ None
☐ Cloth material ☐ Cardboard ☐ Styrofoam ☐ Paper towels

7. Temperature documentation: * Notify PM if temperature exceeds 6°C

Type of ice used: ☒ Wet ☐ Blue/Gel ☐ None Temp(°C)_____

☒ Samples Received on ice & cold without a temperature blank

☐ Samples received on ice directly from the field. Cooling process had begun

8. Were Method 5035 sampling containers present?_____ YES (NO)
If YES, what time were they transferred to freezer?_____
9. Did all bottles arrive unbroken/unopened?_____ (YES) NO
10. Are samples in the appropriate containers for indicated tests? _____ (YES) NO
11. Are sample labels present, in good condition and complete? _____ (YES) NO
12. Do the sample labels agree with custody papers? _____ (YES) NO
13. Was sufficient amount of sample sent for tests requested? _____ (YES) NO
14. Are the samples appropriately preserved? _____ (YES) NO N/A
15. Did you check preservatives for all bottles for each sample? _____ YES NO (N/A)
16. Did you document your preservative check? _____ YES NO (N/A)
17. Did you change the hold time in LIMS for unpreserved VOAs? _____ YES NO (N/A)
18. Are bubbles > 6mm absent in VOA samples? _____ (YES) NO N/A
19. Was the client contacted concerning this sample delivery? _____ YES (NO)
If YES, Who was called?_____ By_____ Date:_____

COMMENTS

_____
_____
_____
_____
_____
_____

Rev 8, 6/11

Curtis & Tompkins Sample Preservation for 230191

Sample	pH: <2	>12	Other
-010a	[ ]	[ ]	_____
b	[ ]	[ ]	_____
c	[ ]	[ ]	_____
d	[ ]	[ ]	_____
e	[ ]	[ ]	_____
f	[ ]	[ ]	_____
g	[X]	[ ]	_____
h	[X]	[ ]	_____
i	[ ]	[ ]	_____
j	[ ]	[ ]	_____
-011a	[ ]	[ ]	_____
b	[ ]	[ ]	_____
c	[ ]	[ ]	_____
d	[ ]	[ ]	_____
e	[ ]	[ ]	_____
f	[X]	[ ]	_____
g	[X]	[ ]	_____
h	[X]	[ ]	_____
i	[ ]	[ ]	_____
j	[ ]	[ ]	_____

Analyst: VK

Date: 8/11/11

Curtis & Tompkins, Ltd.

Total Volatile Hydrocarbons

Lab #:	230191	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	5086	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	08/09/11
Units:	mg/Kg	Received:	08/10/11
Basis:	as received		

Field ID:	SS-1	Diln Fac:	200.0
Type:	SAMPLE	Batch#:	177832
Lab ID:	230191-001	Analyzed:	08/15/11

Analyte	Result	RL
Gasoline C7-C12	2,300	200

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	110	74-132

Field ID:	SS-2	Diln Fac:	50.00
Type:	SAMPLE	Batch#:	177832
Lab ID:	230191-002	Analyzed:	08/15/11

Analyte	Result	RL
Gasoline C7-C12	690 Y	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	122	74-132

Field ID:	SS-3	Diln Fac:	1.000
Type:	SAMPLE	Batch#:	177732
Lab ID:	230191-003	Analyzed:	08/12/11

Analyte	Result	RL
Gasoline C7-C12	ND	0.91

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	97	74-132

Field ID:	SS-4	Diln Fac:	1.000
Type:	SAMPLE	Batch#:	177732
Lab ID:	230191-004	Analyzed:	08/13/11

Analyte	Result	RL
Gasoline C7-C12	30 Y	1.0

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	175 *	74-132

*= Value outside of QC limits; see narrative
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Total Volatile Hydrocarbons

Lab #:	230191	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	5086	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	08/09/11
Units:	mg/Kg	Received:	08/10/11
Basis:	as received		

Field ID:	CS-1-CS-4 COMPOSITE	Diln Fac:	50.00
Type:	SAMPLE	Batch#:	177832
Lab ID:	230191-009	Analyzed:	08/15/11

Analyte	Result	RL
Gasoline C7-C12	570 Y	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	108	74-132

Type:	BLANK	Batch#:	177732
Lab ID:	QC603930	Analyzed:	08/12/11
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	ND	0.20

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	89	74-132

Type:	BLANK	Batch#:	177832
Lab ID:	QC604344	Analyzed:	08/15/11
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	ND	1.0

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	108	74-132

*= Value outside of QC limits; see narrative
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	230191	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	5086	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC603929	Batch#:	177732
Matrix:	Soil	Analyzed:	08/12/11
Units:	mg/Kg		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	1.000	0.9189	92	80-120

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	90	74-132

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	230191	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	5086	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC604341	Batch#:	177832
Matrix:	Soil	Analyzed:	08/15/11
Units:	mg/Kg		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	1.000	1.048	105	80-120

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	116	74-132

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	230191	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	5086	Analysis:	EPA 8015B
Field ID:	SS-1	Diln Fac:	200.0
MSS Lab ID:	230191-001	Batch#:	177832
Matrix:	Soil	Sampled:	08/09/11
Units:	mg/Kg	Received:	08/10/11
Basis:	as received	Analyzed:	08/15/11

Type: MS Lab ID: QC604345

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	2,292	2,000	3,984	85	43-120

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	110	74-132

Type: MSD Lab ID: QC604346

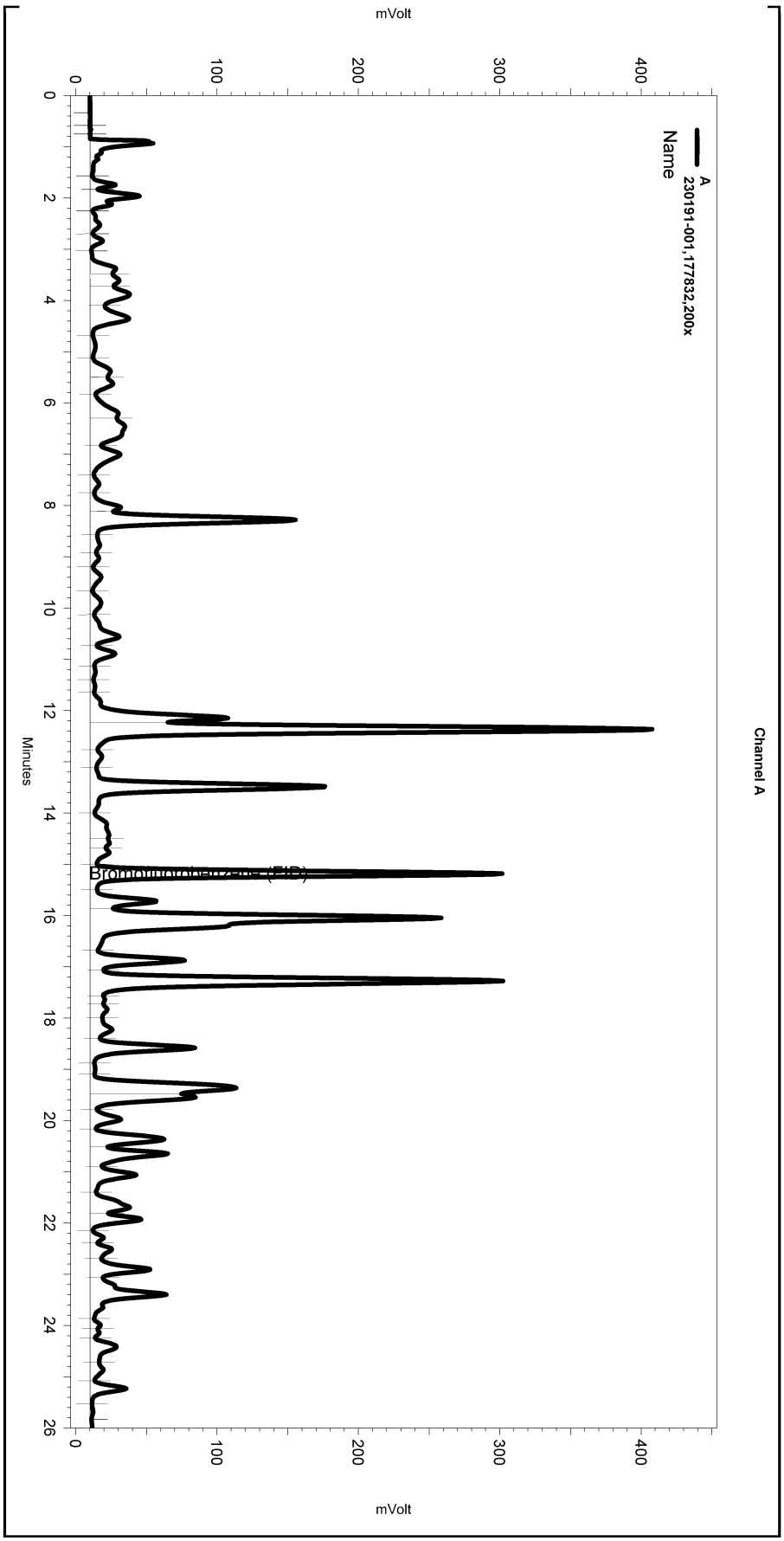
Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	3,976	84	43-120	0	34

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	108	74-132

RPD= Relative Percent Difference

Sequence File: **\\Lims\gdrive\ezchrom\Projects\GC07\Sequence\227.seq**
Sample Name: **230191-001,177832,200x**
Data File: **\\Lims\gdrive\ezchrom\Projects\GC07\Data\227-012**
Instrument: GC07 (Offline) Vial: N/A Operator: Tvh 2. Analyst (lims2k3\tvh2)
Method Name: \\Lims\gdrive\ezchrom\Projects\GC07\Method\tvhbtxe153.met

Software Version 3.1.7
Run Date: 8/15/2011 9:07:12 PM
Analysis Date: 8/16/2011 11:13:18 AM
Sample Amount: 1 Multiplier: 1
Vial & pH or Core ID: a,dd471



---< General Method Parameters >---

No items selected for this section

---< A >---

No items selected for this section

Integration Events

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Width	0	0	0.2
Yes	Threshold	0	0	50

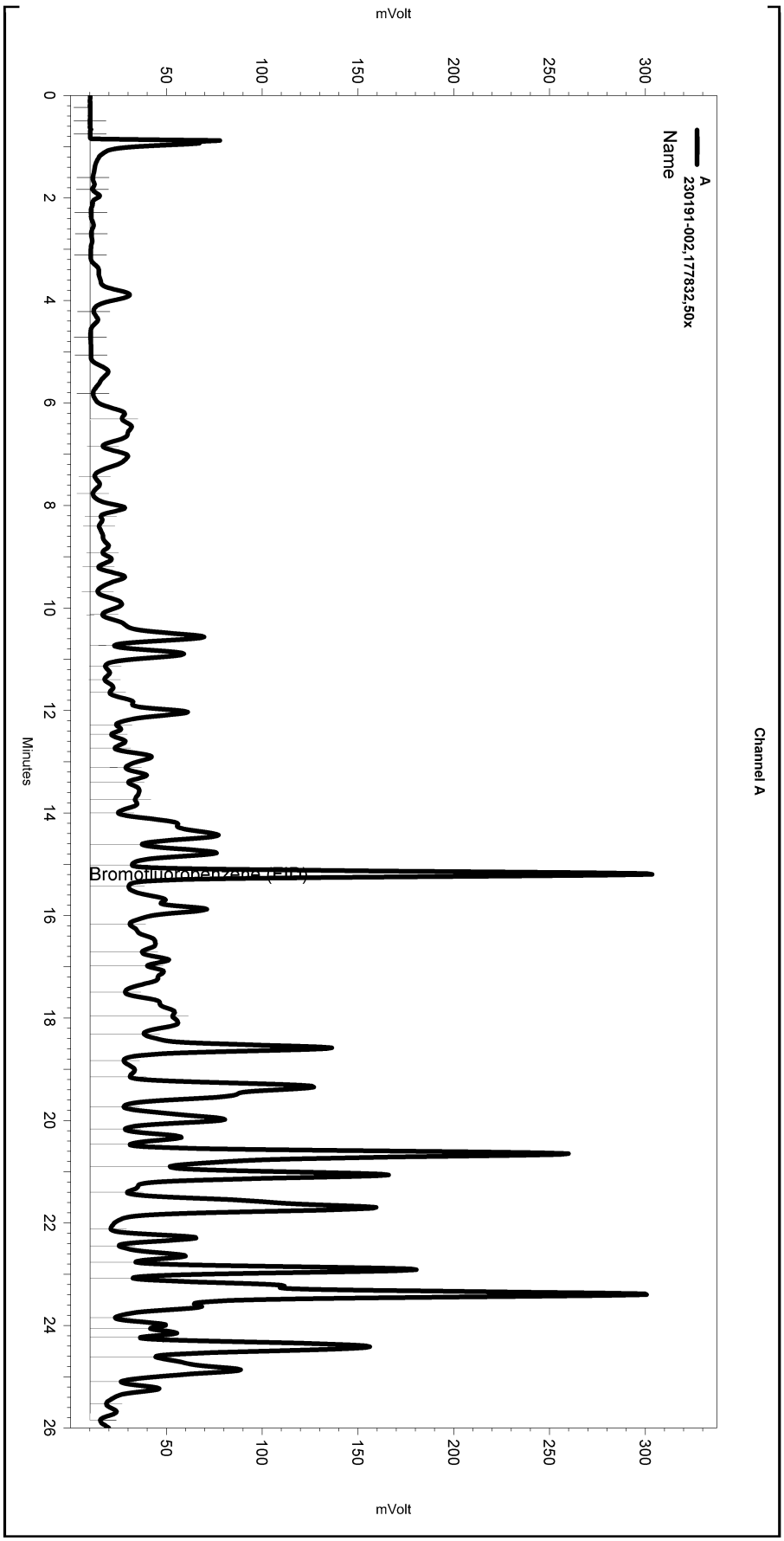
Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC07\Data\227-012

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Lowest Point Horizontal Baseli	0	26.017	0

Sequence File: **\\Lims\gdrive\ezchrom\Projects\GC07\Sequence\227.seq**
Sample Name: **230191-002,177832,50x**
Data File: **\\Lims\gdrive\ezchrom\Projects\GC07\Data\227-015**
Instrument: GC07 (Offline) Vial: N/A Operator: Tvh 2. Analyst (lims2k3\tvh2)
Method Name: \\Lims\gdrive\ezchrom\Projects\GC07\Method\tvhbtxe153.met

Software Version 3.1.7
Run Date: 8/15/2011 11:02:11 PM
Analysis Date: 8/16/2011 11:14:36 AM
Sample Amount: 1 Multiplier: 1
Vial & pH or Core ID: a,dd471



---< General Method Parameters >---

No items selected for this section

---< A >---

No items selected for this section

Integration Events

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Width	0	0	0.2
Yes	Threshold	0	0	50

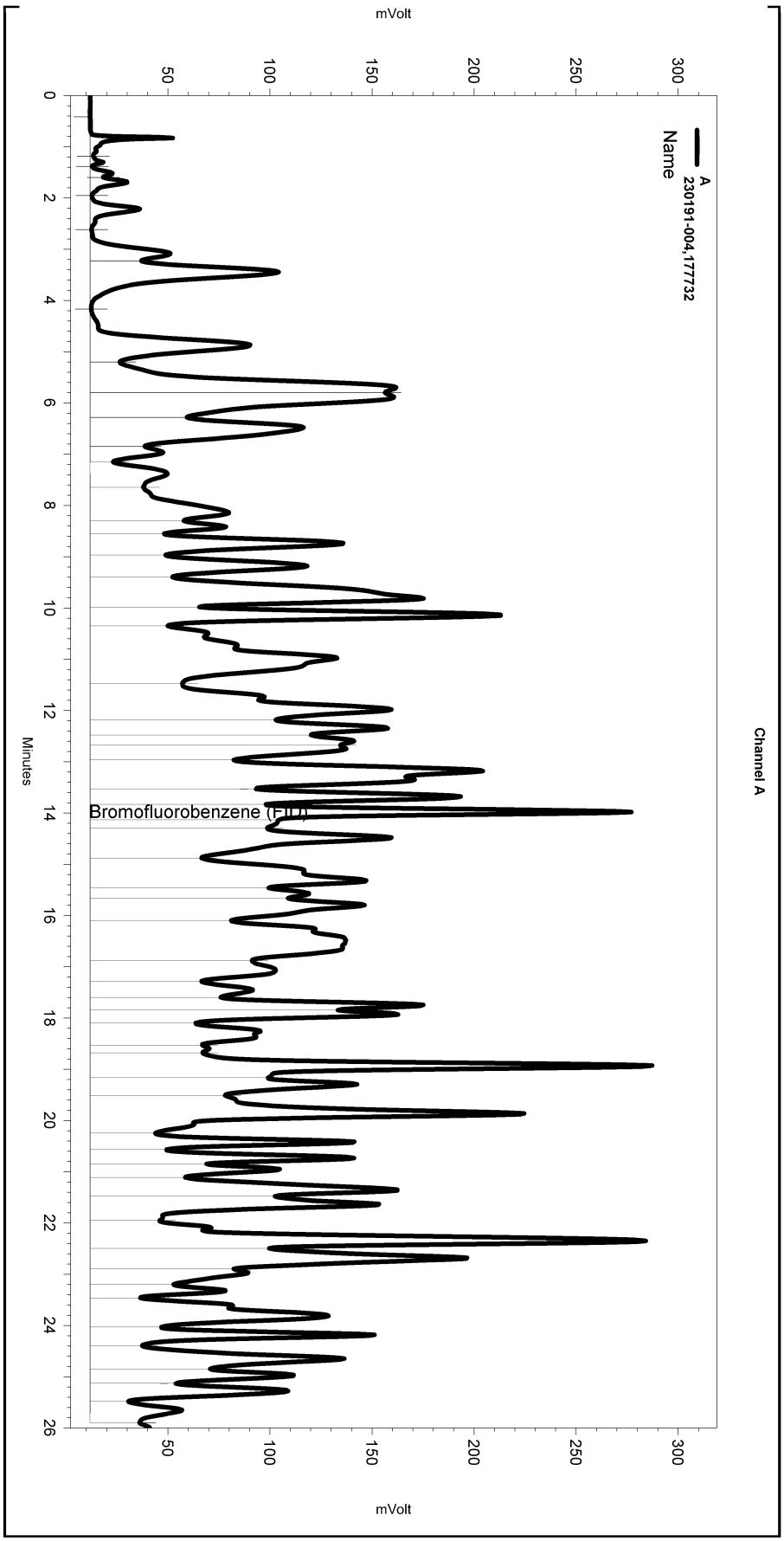
Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC07\Data\227-015

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Lowest Point Horizontal Baseli	0	26.017	0

Sequence File: **\\Lims\gdrive\ezchrom\Projects\GC19\Sequence\223.seq**
Sample Name: **230191-004,177732**
Data File: **\\Lims\gdrive\ezchrom\Projects\GC19\Data\223-050**
Instrument: GC19 (Offline) Vial: N/A Operator: Tvh 1. Analyst (lims2k3\tvh1)
Method Name: \\Lims\gdrive\ezchrom\Projects\GC19\Method\tvhbtxe222.met

Software Version 3.1.7
Run Date: 8/13/2011 12:29:10 AM
Analysis Date: 8/15/2011 10:58:27 AM
Sample Amount: 0.96 Multiplier: 0.96
Vial & pH or Core ID: a



---< General Method Parameters >---

No items selected for this section

---< A >---

No items selected for this section

Integration Events

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Width	0	0	0.2
Yes	Threshold	0	0	50

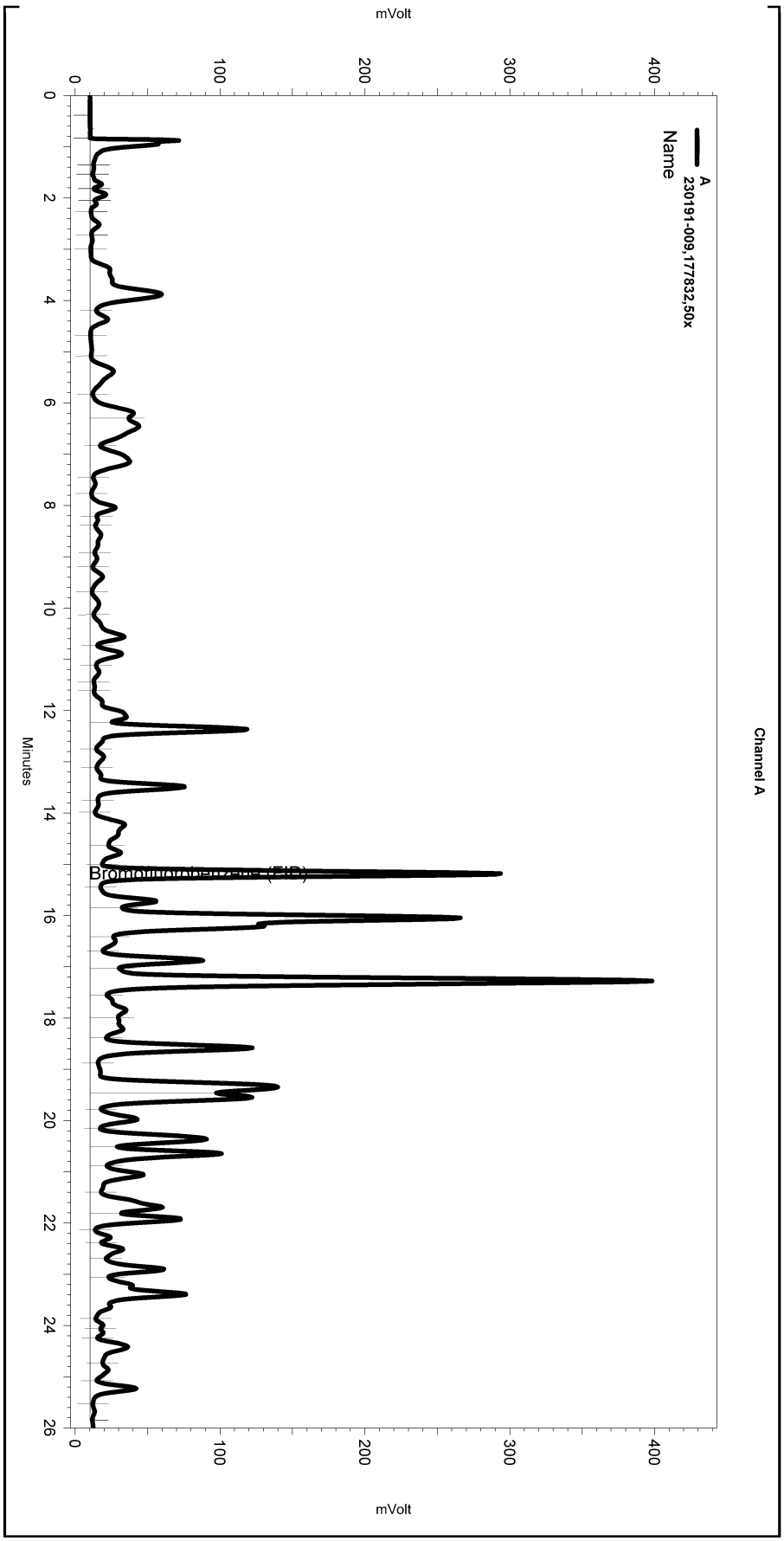
Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC19\Data\223-050

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Lowest Point Horizontal Baseli	0	26.017	0
Yes	Split Peak	14.126	0	0

Sequence File: **\\Lims\gdrive\ezchrom\Projects\GC07\Sequence\227.seq**
Sample Name: **230191-009,177832,50x**
Data File: **\\Lims\gdrive\ezchrom\Projects\GC07\Data\227-016**
Instrument: GC07 (Offline) Vial: N/A Operator: Tvh 2. Analyst (lims2k3\tvh2)
Method Name: \\Lims\gdrive\ezchrom\Projects\GC07\Method\tvhbtxe153.met

Software Version 3.1.7
Run Date: 8/15/2011 11:40:38 PM
Analysis Date: 8/16/2011 11:15:21 AM
Sample Amount: 1 Multiplier: 1
Vial & pH or Core ID: comp(5-8)a,dd471



---< General Method Parameters >---

No items selected for this section

---< A >---

No items selected for this section

Integration Events

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Width	0	0	0.2
Yes	Threshold	0	0	50

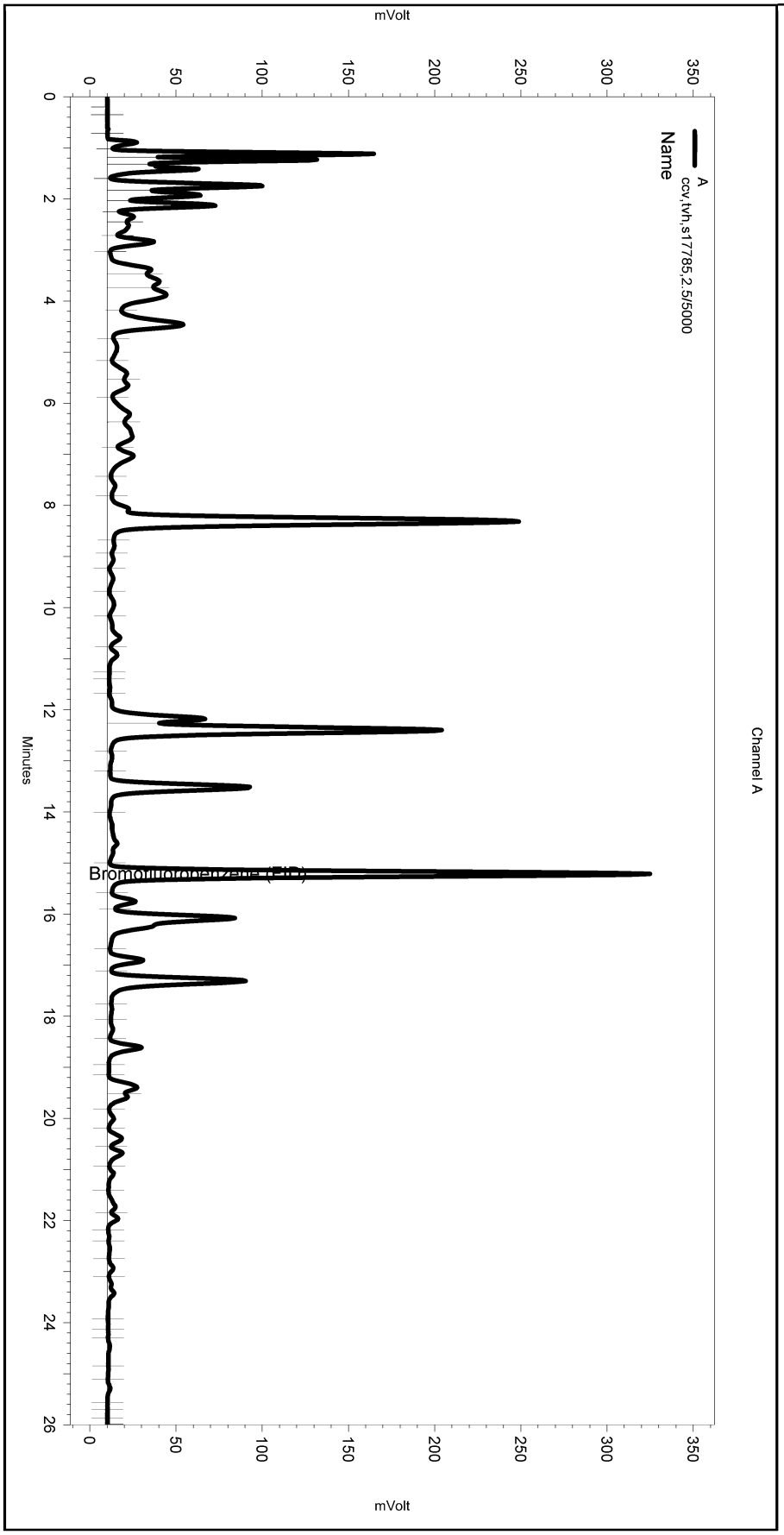
Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC07\Data\227-016

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Lowest Point Horizontal Baseli	0	26.017	0

Sequence File: **\\Lims\gdrive\ezchrom\Projects\GC07\Sequence\227.seq**
Sample Name: **ccv,tvh,s17785,2.5/5000**
Data File: **\\Lims\gdrive\ezchrom\Projects\GC07\Data\227-003**
Instrument: GC07 Vial: N/A Operator: lims2k3\tvh3
Method Name: \\Lims\gdrive\ezchrom\Projects\GC07\Method\tvhbtxe153.met

Software Version 3.1.7
Run Date: 8/15/2011 12:09:15 PM
Analysis Date: 8/15/2011 12:37:55 PM
Sample Amount: 5 Multiplier: 5
Vial & pH or Core ID: {Data Description}



---< General Method Parameters >---

No items selected for this section

---< A >---

No items selected for this section

Integration Events

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Width	0	0	0.2
Yes	Threshold	0	0	50

Manual Integration Fixes

Data File: C:\Documents and Settings\All Users\Application Data\ChromatographySystem\Recovery Data\Instrument.10049\227-003_564C.tmp

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value

None

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	230191	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 3520C
Project#:	5086	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	08/09/11
Units:	ug/L	Received:	08/10/11
Diln Fac:	1.000	Prepared:	08/12/11
Batch#:	177786	Analyzed:	08/14/11

Field ID: T-1 Lab ID: 230191-010
Type: SAMPLE

Analyte	Result	RL
Diesel C10-C24	14,000	50

Surrogate	%REC	Limits
o-Terphenyl	104	68-120

Field ID: T-2 Lab ID: 230191-011
Type: SAMPLE

Analyte	Result	RL
Diesel C10-C24	1,500	50

Surrogate	%REC	Limits
o-Terphenyl	99	68-120

Type: BLANK Lab ID: QC604147

Analyte	Result	RL
Diesel C10-C24	ND	50

Surrogate	%REC	Limits
o-Terphenyl	102	68-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	230191	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 3520C
Project#:	5086	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC604148	Batch#:	177786
Matrix:	Water	Prepared:	08/12/11
Units:	ug/L	Analyzed:	08/14/11

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	1,990	80	61-120

Surrogate	%REC	Limits
o-Terphenyl	85	68-120

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	230191	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 3520C
Project#:	5086	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	177786
MSS Lab ID:	230220-001	Sampled:	08/11/11
Matrix:	Water	Received:	08/12/11
Units:	ug/L	Prepared:	08/12/11
Diln Fac:	1.000	Analyzed:	08/14/11

Type: MS Lab ID: QC604149

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	10,300	2,500	20,100	392 NM	33-140

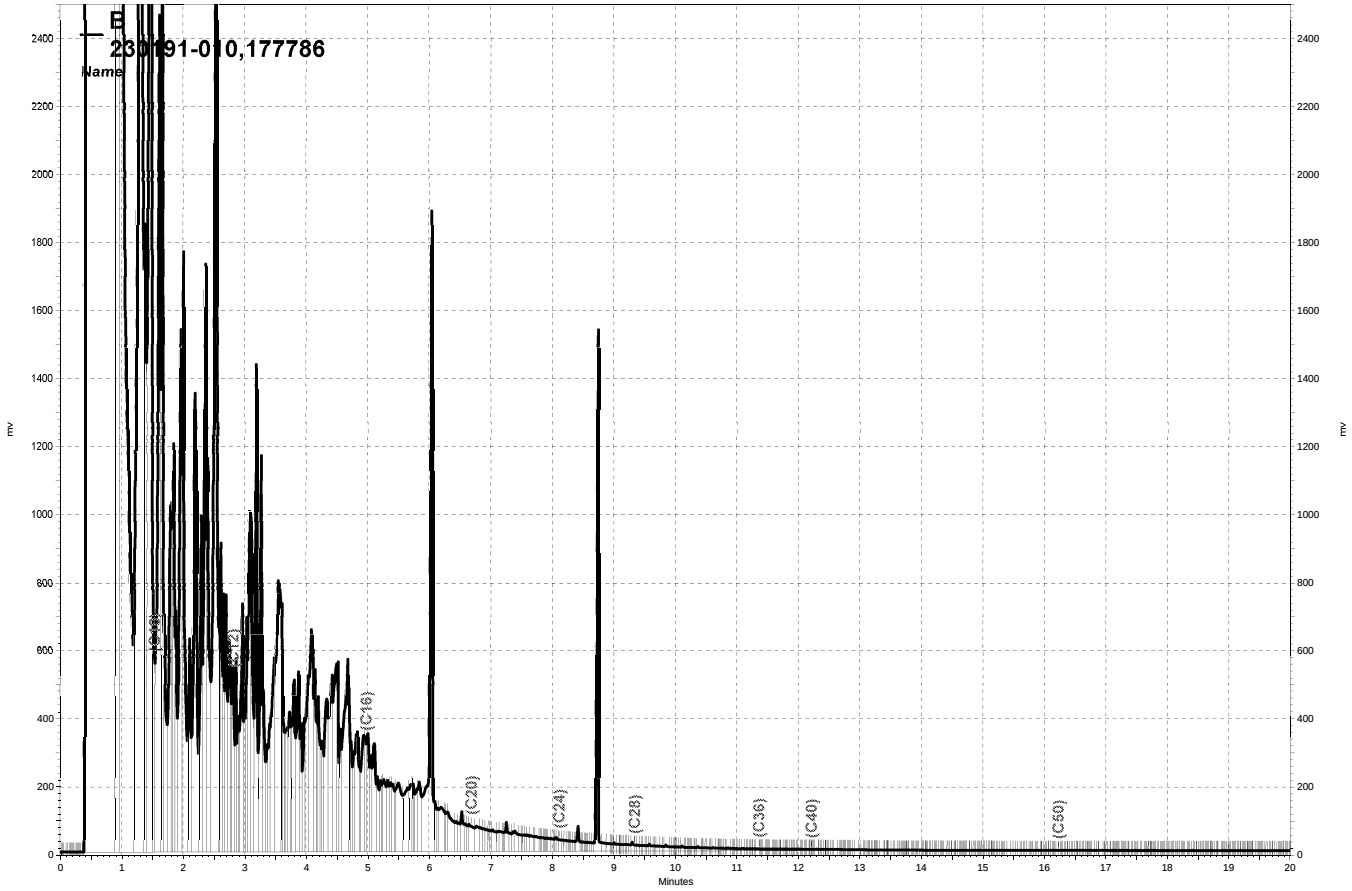
Surrogate	%REC	Limits
o-Terphenyl	55 *	68-120

Type: MSD Lab ID: QC604150

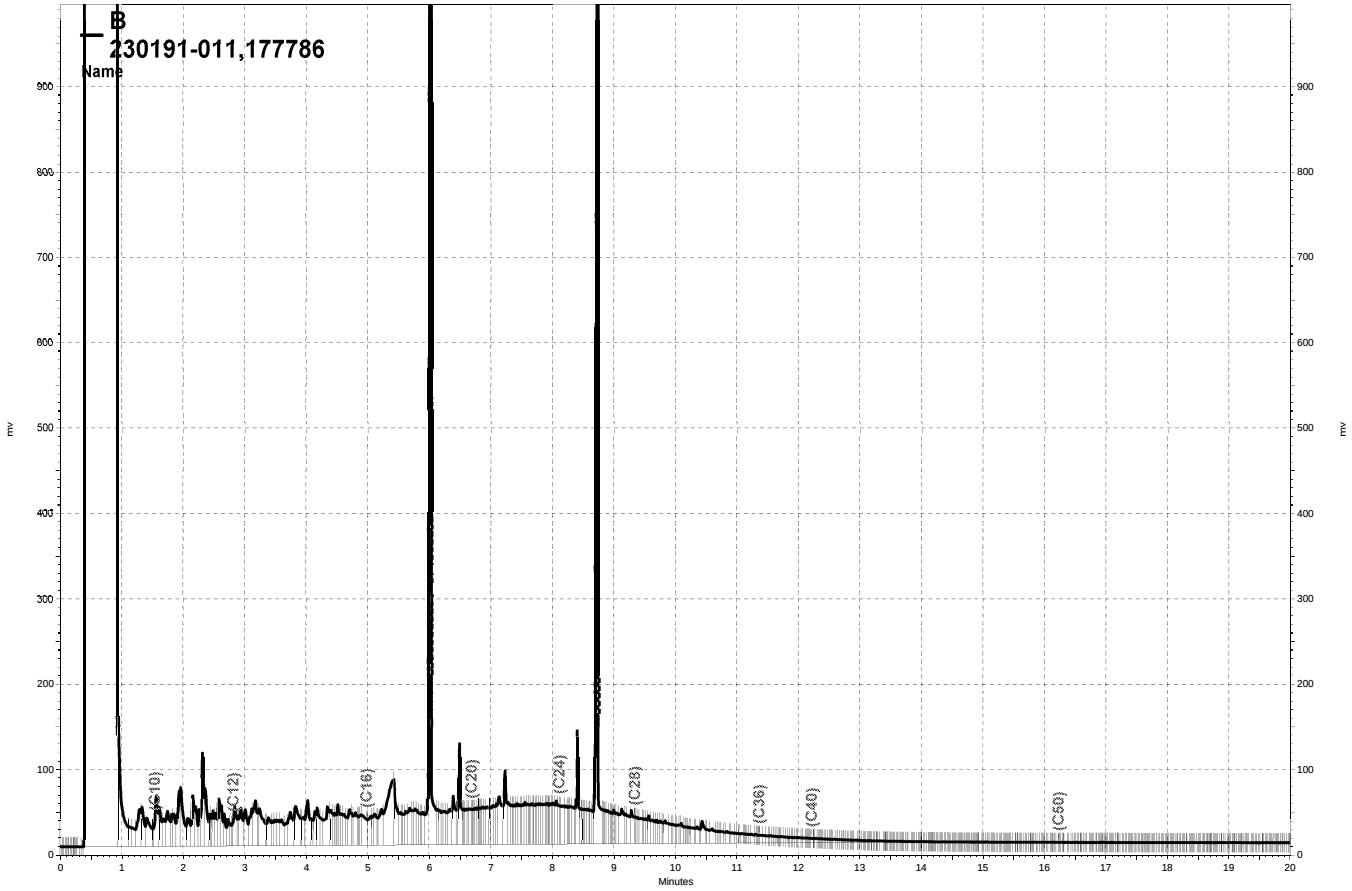
Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	25,840	622 NM	33-140	25	30

Surrogate	%REC	Limits
o-Terphenyl	51 *	68-120

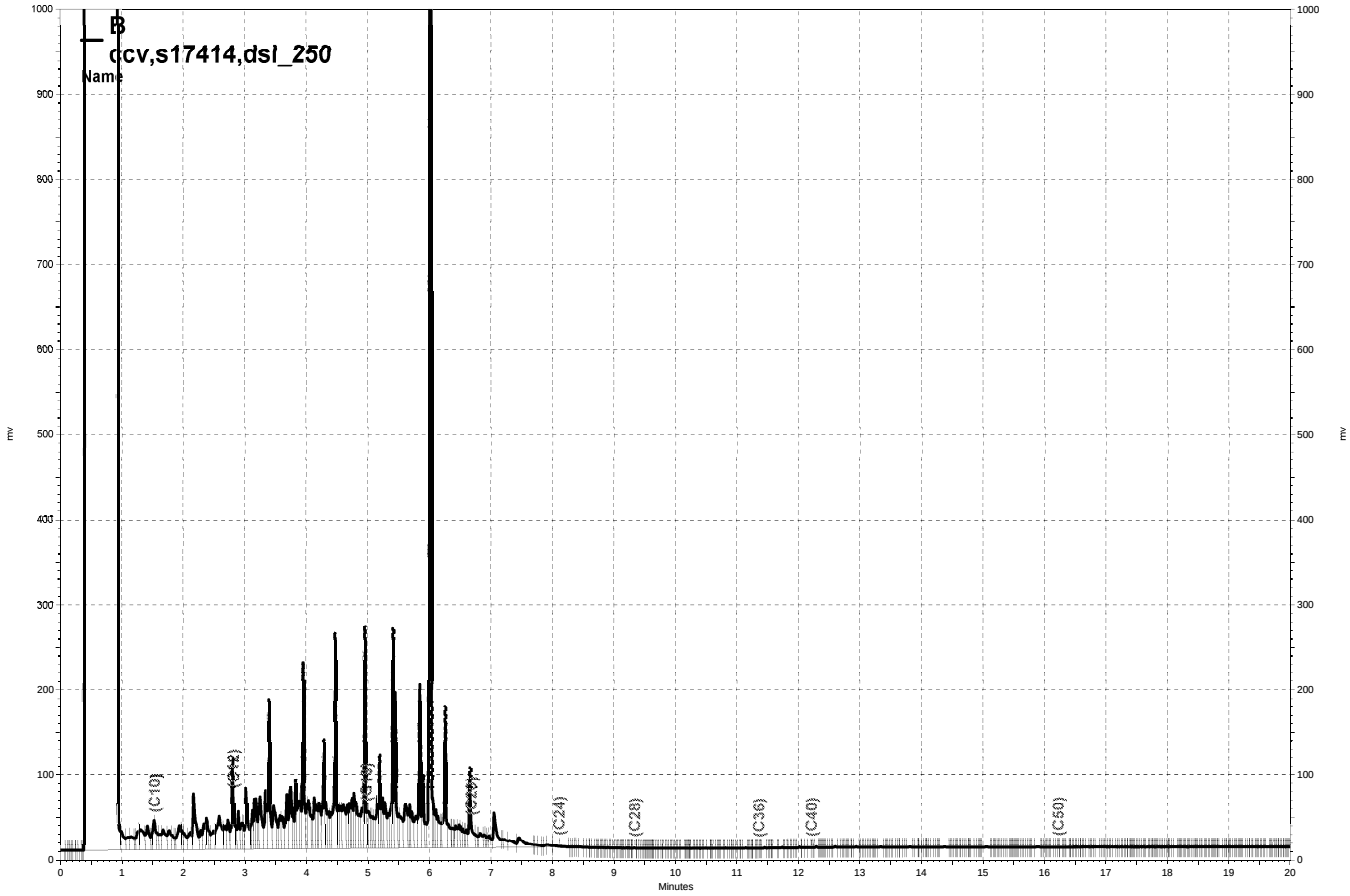
*= Value outside of QC limits; see narrative
NM= Not Meaningful: Sample concentration > 4X spike concentration
RPD= Relative Percent Difference



\\Lims\gdrive\ezchrom\Projects\GC15B\Data\226b014, B



\\Lims\gdrive\ezchrom\Projects\GC15B\Data\226b015, B



\\Lims\gdrive\ezchrom\Projects\GC15B\Data\226b004, B

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	230191	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	SHAKER TABLE
Project#:	5086	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	08/09/11
Units:	mg/Kg	Received:	08/10/11
Basis:	as received	Prepared:	08/12/11
Batch#:	177772		

Field ID: SS-1 Diln Fac: 5.000
Type: SAMPLE Analyzed: 08/14/11
Lab ID: 230191-001

Analyte	Result	RL
Diesel C10-C24	630 Y	5.0

Surrogate	%REC	Limits
o-Terphenyl	101	62-120

Field ID: SS-2 Diln Fac: 5.000
Type: SAMPLE Analyzed: 08/14/11
Lab ID: 230191-002

Analyte	Result	RL
Diesel C10-C24	800	5.0

Surrogate	%REC	Limits
o-Terphenyl	100	62-120

Field ID: SS-3 Diln Fac: 1.000
Type: SAMPLE Analyzed: 08/12/11
Lab ID: 230191-003

Analyte	Result	RL
Diesel C10-C24	ND	1.0

Surrogate	%REC	Limits
o-Terphenyl	102	62-120

Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	230191	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	SHAKER TABLE
Project#:	5086	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	08/09/11
Units:	mg/Kg	Received:	08/10/11
Basis:	as received	Prepared:	08/12/11
Batch#:	177772		

Field ID: SS-4 Diln Fac: 1.000
Type: SAMPLE Analyzed: 08/12/11
Lab ID: 230191-004

Analyte	Result	RL
Diesel C10-C24	51 Y	0.99

Surrogate	%REC	Limits
o-Terphenyl	103	62-120

Field ID: CS-1-CS-4 COMPOSITE Diln Fac: 1.000
Type: SAMPLE Analyzed: 08/12/11
Lab ID: 230191-009

Analyte	Result	RL
Diesel C10-C24	180 Y	1.0

Surrogate	%REC	Limits
o-Terphenyl	103	62-120

Type: BLANK Diln Fac: 1.000
Lab ID: QC604088 Analyzed: 08/12/11

Analyte	Result	RL
Diesel C10-C24	ND	0.99

Surrogate	%REC	Limits
o-Terphenyl	104	62-120

Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	230191	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	SHAKER TABLE
Project#:	5086	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC604089	Batch#:	177772
Matrix:	Soil	Prepared:	08/12/11
Units:	mg/Kg	Analyzed:	08/12/11

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	49.68	52.65	106	54-138

Surrogate	%REC	Limits
o-Terphenyl	112	62-120

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	230191	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	SHAKER TABLE
Project#:	5086	Analysis:	EPA 8015B
Field ID:	SS-4	Batch#:	177772
MSS Lab ID:	230191-004	Sampled:	08/09/11
Matrix:	Soil	Received:	08/10/11
Units:	mg/Kg	Prepared:	08/12/11
Basis:	as received	Analyzed:	08/12/11
Diln Fac:	1.000		

Type: MS Lab ID: QC604090

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	51.07	49.57	93.50	86	35-150

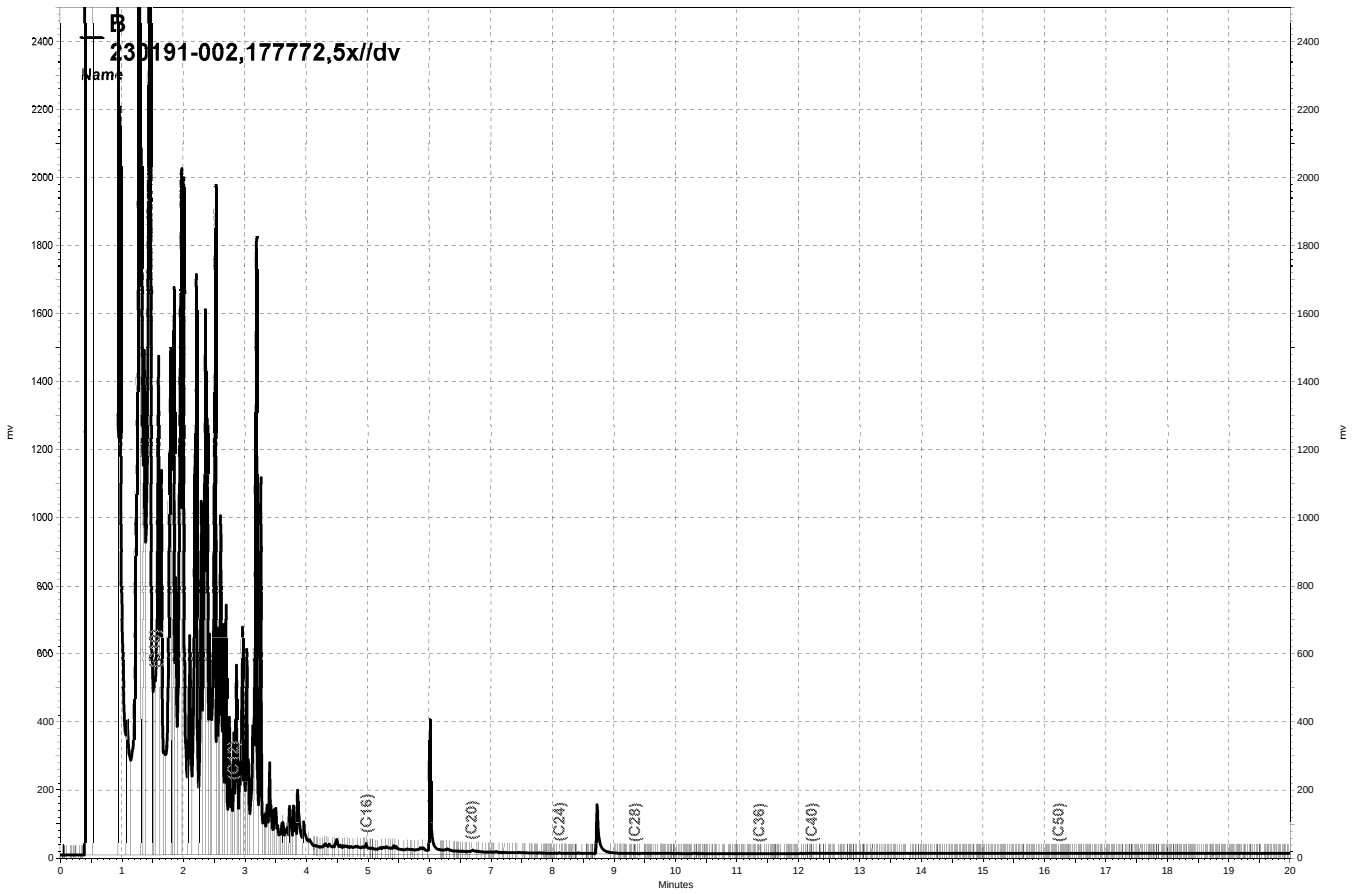
Surrogate	%REC	Limits
o-Terphenyl	109	62-120

Type: MSD Lab ID: QC604091

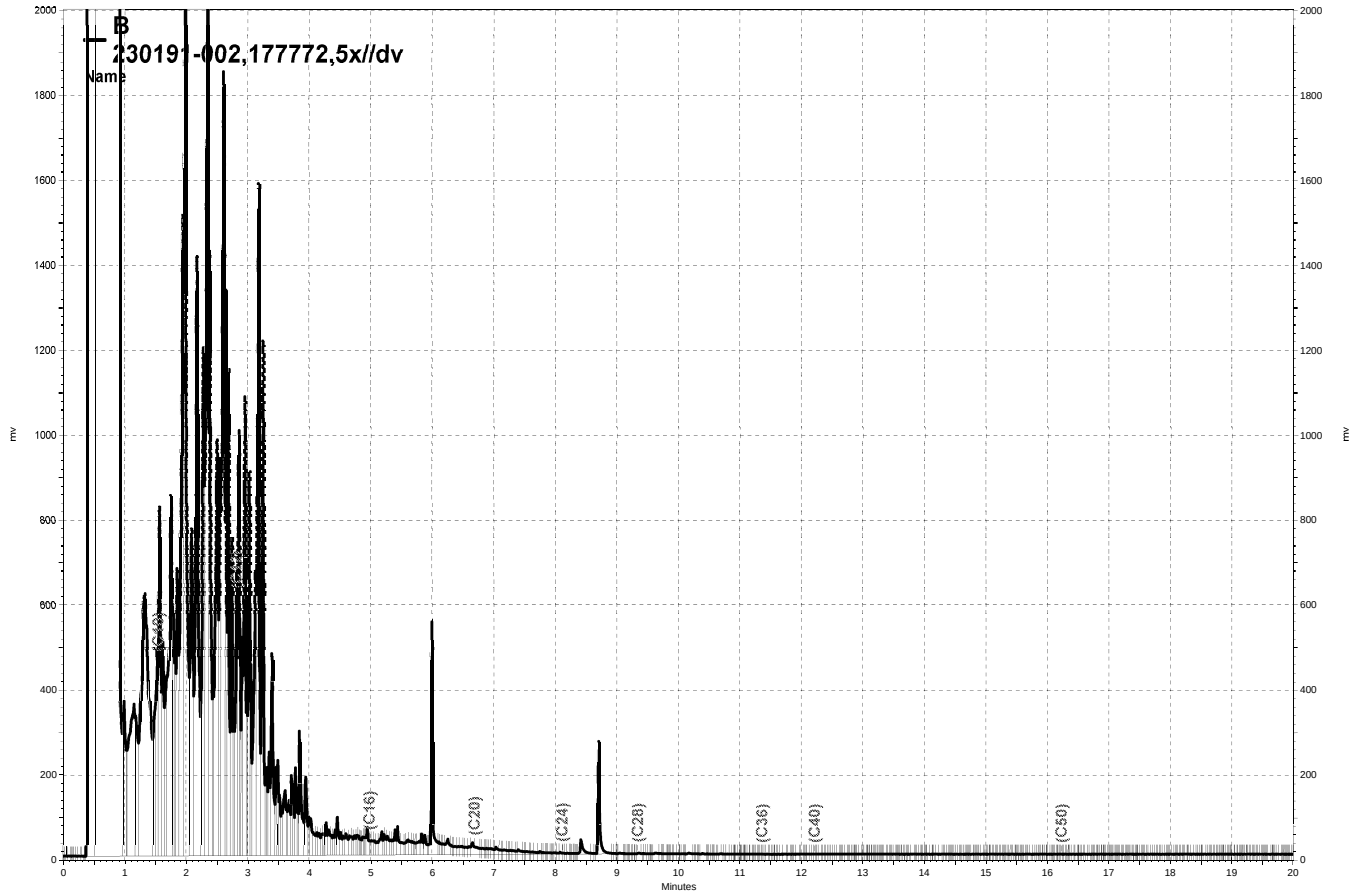
Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	50.06	74.82	47	35-150	23	71

Surrogate	%REC	Limits
o-Terphenyl	103	62-120

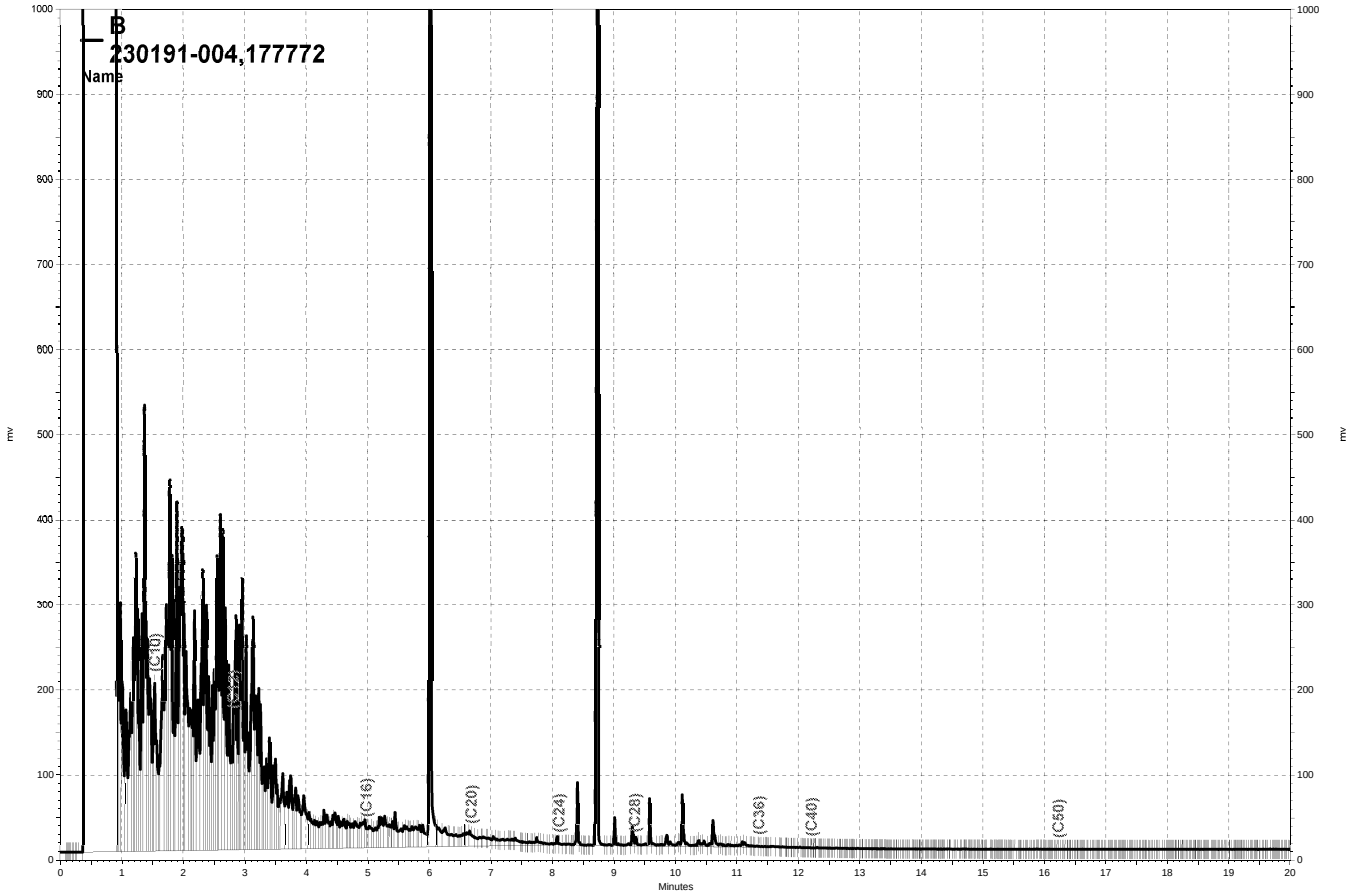
RPD= Relative Percent Difference



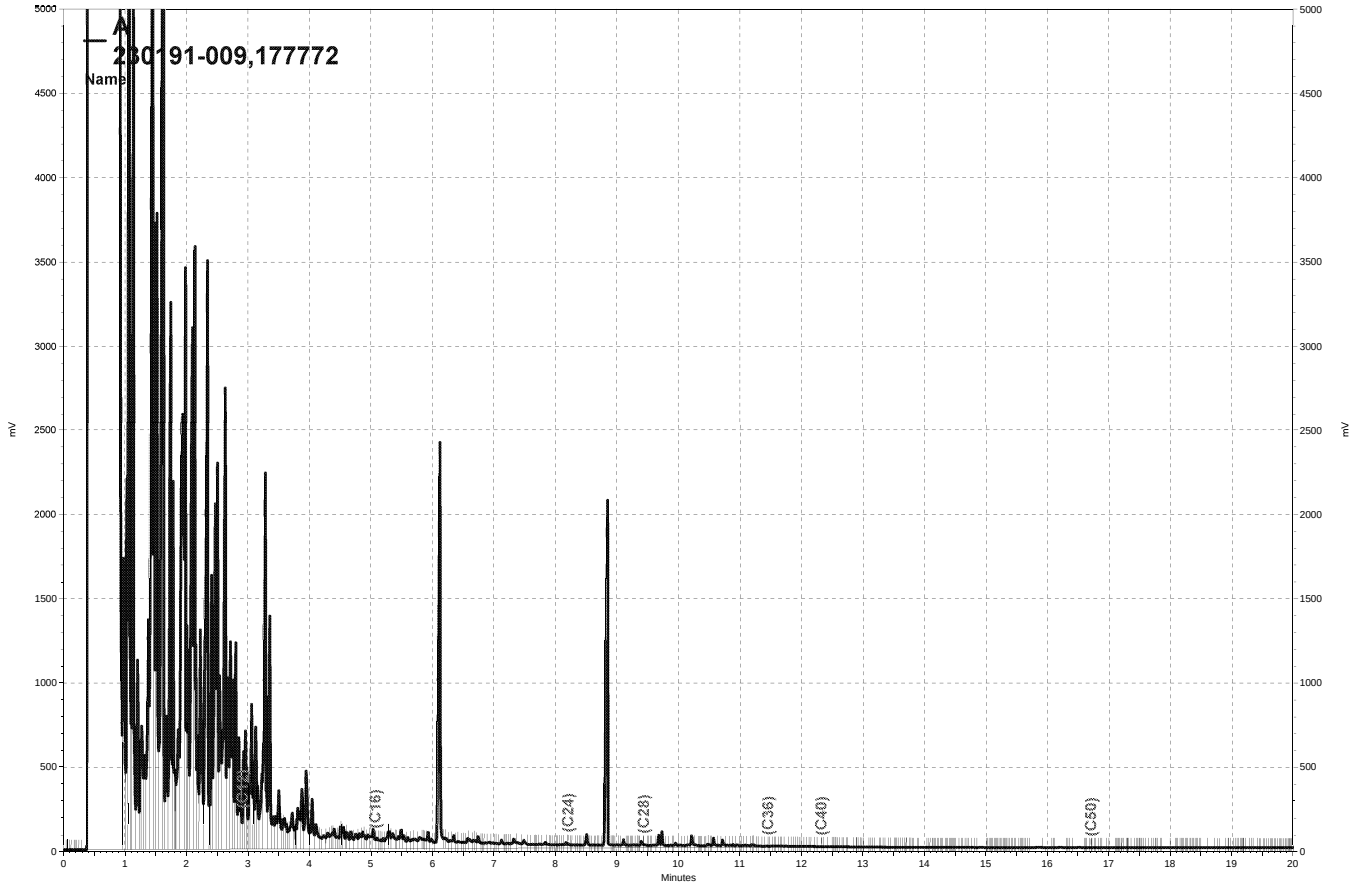
\\Lims\gdrive\ezchrom\Projects\GC15B\Data\226b018, B



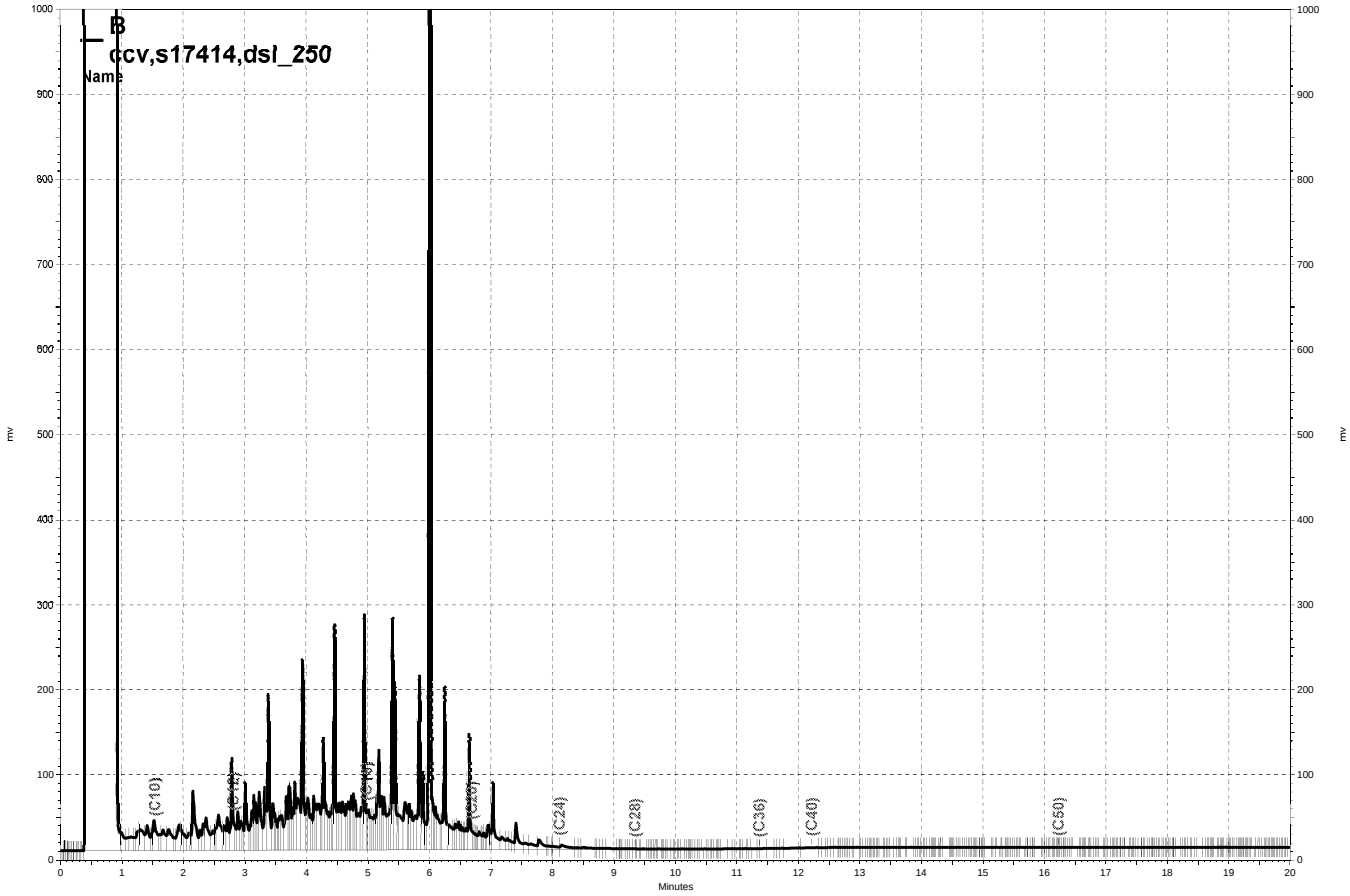
\\Lims\gdrive\ezchrom\Projects\GC15B\Data\226b017, B



\\Lims\gdrive\ezchrom\Projects\GC15B\Data\224b010, B



\\Lims\gdrive\ezchrom\Projects\GC17A\Data\224a027, A



\\Lims\gdrive\ezchrom\Projects\GC15B\Data\224b003, B

Curtis & Tompkins, Ltd.

Alcohols by GC-FID

Lab #:	230191	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	METHOD
Project#:	5086	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	08/09/11
Units:	mg/L	Received:	08/10/11
Diln Fac:	1.000	Analyzed:	08/15/11
Batch#:	177846		

Field ID: T-1 Lab ID: 230191-010
Type: SAMPLE

Analyte	Result	RL
Methanol	ND	1.0
Ethanol	ND	1.0

Surrogate	%REC	Limits
1-Pentanol	84	74-120

Field ID: T-2 Lab ID: 230191-011
Type: SAMPLE

Analyte	Result	RL
Methanol	ND	1.0
Ethanol	ND	1.0

Surrogate	%REC	Limits
1-Pentanol	85	74-120

Type: BLANK Lab ID: QC604408

Analyte	Result	RL
Methanol	ND	1.0
Ethanol	ND	1.0

Surrogate	%REC	Limits
1-Pentanol	98	74-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Alcohols by GC-FID

Lab #:	230191	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	METHOD
Project#:	5086	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	177846
Units:	mg/L	Analyzed:	08/15/11
Diln Fac:	1.000		

Type: BS Lab ID: QC604409

Analyte	Spiked	Result	%REC	Limits
Methanol	50.00	42.19	84	70-130
Ethanol	50.00	42.51	85	70-130

Surrogate	%REC	Limits
1-Pentanol	95	74-120

Type: BSD Lab ID: QC604410

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Methanol	50.00	47.60	95	70-130	12	20
Ethanol	50.00	46.94	94	70-130	10	20

Surrogate	%REC	Limits
1-Pentanol	94	74-120

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Alcohols by GC-FID

Lab #:	230191	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Analysis:	EPA 8015B
Project#:	5086		
Matrix:	Soil	Batch#:	177848
Units:	mg/Kg	Sampled:	08/09/11
Basis:	as received	Received:	08/10/11
Diln Fac:	1.000		

Field ID: SS-1 Lab ID: 230191-001
Type: SAMPLE Analyzed: 08/15/11

Analyte	Result	RL
Methanol	1.5 C	1.0
Ethanol	2.1	1.0

Surrogate	%REC	Limits
1-Pentanol	90	60-140

Field ID: SS-2 Lab ID: 230191-002
Type: SAMPLE Analyzed: 08/15/11

Analyte	Result	RL
Methanol	ND	1.0
Ethanol	ND	1.0

Surrogate	%REC	Limits
1-Pentanol	74	60-140

Field ID: SS-3 Lab ID: 230191-003
Type: SAMPLE Analyzed: 08/16/11

Analyte	Result	RL
Methanol	ND	1.0
Ethanol	ND	1.0

Surrogate	%REC	Limits
1-Pentanol	74	60-140

C= Presence confirmed, but RPD between columns exceeds 40%
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Alcohols by GC-FID

Lab #:	230191	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Analysis:	EPA 8015B
Project#:	5086		
Matrix:	Soil	Batch#:	177848
Units:	mg/Kg	Sampled:	08/09/11
Basis:	as received	Received:	08/10/11
Diln Fac:	1.000		

Field ID: SS-4 Lab ID: 230191-004
Type: SAMPLE Analyzed: 08/16/11

Analyte	Result	RL
Methanol	ND	1.0
Ethanol	ND	1.0

Surrogate	%REC	Limits
1-Pentanol	70	60-140

Field ID: CS-1-CS-4 COMPOSITE Lab ID: 230191-009
Type: SAMPLE Analyzed: 08/15/11

Analyte	Result	RL
Methanol	ND	1.0
Ethanol	ND	1.0

Surrogate	%REC	Limits
1-Pentanol	78	60-140

Type: BLANK Analyzed: 08/15/11
Lab ID: QC604426

Analyte	Result	RL
Methanol	ND	1.0
Ethanol	ND	1.0

Surrogate	%REC	Limits
1-Pentanol	90	70-130

C= Presence confirmed, but RPD between columns exceeds 40%
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Alcohols by GC-FID

Lab #:	230191	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Analysis:	EPA 8015B
Project#:	5086		
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC604427	Batch#:	177848
Matrix:	Soil	Analyzed:	08/15/11
Units:	mg/Kg		

Analyte	Spiked	Result	%REC	Limits
Methanol	50.00	48.26	97	70-130
Ethanol	50.00	47.87	96	70-130

Surrogate	%REC	Limits
1-Pentanol	91	70-130

Curtis & Tompkins, Ltd.

Batch QC Report

Alcohols by GC-FID

Lab #:	230191	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Analysis:	EPA 8015B
Project#:	5086		
Field ID:	CS-1-CS-4 COMPOSITE	Diln Fac:	1.000
MSS Lab ID:	230191-009	Batch#:	177848
Matrix:	Soil	Sampled:	08/09/11
Units:	mg/Kg	Received:	08/10/11
Basis:	as received	Analyzed:	08/15/11

Type: MS Lab ID: QC604428

Analyte	MSS Result	Spiked	Result	%REC	Limits
Methanol	0.3285	50.00	39.80	79	60-140
Ethanol	<0.1174	50.00	42.21	84	60-140

Surrogate	%REC	Limits
1-Pentanol	76	60-140

Type: MSD Lab ID: QC604429

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Methanol	50.00	42.16	84	60-140	6	30
Ethanol	50.00	40.57	81	60-140	4	30

Surrogate	%REC	Limits
1-Pentanol	79	60-140

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Gasoline by GC/MS

Lab #:	230191	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	5086	Analysis:	EPA 8260B
Field ID:	T-1	Batch#:	177798
Lab ID:	230191-010	Sampled:	08/09/11
Matrix:	Water	Received:	08/10/11
Units:	ug/L	Analyzed:	08/14/11
Diln Fac:	166.7		

Analyte	Result	RL
Gasoline C7-C12	76,000	8,300
Freon 12	ND	170
tert-Butyl Alcohol (TBA)	ND	1,700
Chloromethane	ND	170
Isopropyl Ether (DIPE)	ND	83
Vinyl Chloride	ND	83
Bromomethane	ND	170
Ethyl tert-Butyl Ether (ETBE)	ND	83
Chloroethane	ND	170
Methyl tert-Amyl Ether (TAME)	5,600	83
Trichlorofluoromethane	ND	170
Acetone	ND	1,700
Freon 113	ND	830
1,1-Dichloroethene	ND	83
Methylene Chloride	ND	1,700
Carbon Disulfide	ND	83
MTBE	5,700	83
trans-1,2-Dichloroethene	ND	83
Vinyl Acetate	ND	1,700
1,1-Dichloroethane	ND	83
2-Butanone	ND	1,700
cis-1,2-Dichloroethene	ND	83
2,2-Dichloropropane	ND	83
Chloroform	ND	83
Bromochloromethane	ND	83
1,1,1-Trichloroethane	ND	83
1,1-Dichloropropene	ND	83
Carbon Tetrachloride	ND	83
1,2-Dichloroethane	ND	83
Benzene	1,600	83
Trichloroethene	ND	83
1,2-Dichloropropane	ND	83
Bromodichloromethane	ND	83
Dibromomethane	ND	83
4-Methyl-2-Pentanone	ND	1,700
cis-1,3-Dichloropropene	ND	83
Toluene	11,000	83
trans-1,3-Dichloropropene	ND	83
1,1,2-Trichloroethane	ND	83
2-Hexanone	ND	1,700
1,3-Dichloropropane	ND	83
Tetrachloroethene	ND	83
Dibromochloromethane	ND	83
1,2-Dibromoethane	ND	83
Chlorobenzene	ND	83
1,1,1,2-Tetrachloroethane	ND	83
Ethylbenzene	2,000	83
m,p-Xylenes	6,900	83
o-Xylene	3,100	83
Styrene	ND	83
Bromoform	ND	170
Isopropylbenzene	ND	83
1,1,2,2-Tetrachloroethane	ND	83
1,2,3-Trichloropropane	ND	83

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Gasoline by GC/MS

Lab #:	230191	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	5086	Analysis:	EPA 8260B
Field ID:	T-1	Batch#:	177798
Lab ID:	230191-010	Sampled:	08/09/11
Matrix:	Water	Received:	08/10/11
Units:	ug/L	Analyzed:	08/14/11
Diln Fac:	166.7		

Analyte	Result	RL
Propylbenzene	240	83
Bromobenzene	ND	83
1,3,5-Trimethylbenzene	520	83
2-Chlorotoluene	ND	83
4-Chlorotoluene	ND	83
tert-Butylbenzene	ND	83
1,2,4-Trimethylbenzene	1,800	83
sec-Butylbenzene	ND	83
para-Isopropyl Toluene	ND	83
1,3-Dichlorobenzene	ND	83
1,4-Dichlorobenzene	ND	83
n-Butylbenzene	ND	83
1,2-Dichlorobenzene	ND	83
1,2-Dibromo-3-Chloropropane	ND	330
1,2,4-Trichlorobenzene	ND	83
Hexachlorobutadiene	ND	330
Naphthalene	530	330
1,2,3-Trichlorobenzene	ND	83

Surrogate	%REC	Limits
Dibromofluoromethane	101	80-127
1,2-Dichloroethane-d4	103	73-145
Toluene-d8	105	80-120
Bromofluorobenzene	102	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Gasoline by GC/MS

Lab #:	230191	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	5086	Analysis:	EPA 8260B
Field ID:	T-2	Batch#:	177798
Lab ID:	230191-011	Sampled:	08/09/11
Matrix:	Water	Received:	08/10/11
Units:	ug/L	Analyzed:	08/14/11
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	890	50
Freon 12	ND	1.0
tert-Butyl Alcohol (TBA)	650	10
Chloromethane	ND	1.0
Isopropyl Ether (DIPE)	ND	0.5
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Chloroethane	ND	1.0
Methyl tert-Amyl Ether (TAME)	ND	0.5
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	12	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	8.0	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	7.3	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	86	0.5
o-Xylene	71	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Gasoline by GC/MS

Lab #:	230191	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	5086	Analysis:	EPA 8260B
Field ID:	T-2	Batch#:	177798
Lab ID:	230191-011	Sampled:	08/09/11
Matrix:	Water	Received:	08/10/11
Units:	ug/L	Analyzed:	08/14/11
Diln Fac:	1.000		

Analyte	Result	RL
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	13	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	24	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	7.6	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	106	80-127
1,2-Dichloroethane-d4	109	73-145
Toluene-d8	99	80-120
Bromofluorobenzene	101	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Gasoline by GC/MS

Lab #:	230191	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	5086	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC604189	Batch#:	177798
Matrix:	Water	Analyzed:	08/14/11
Units:	ug/L		

Analyte	Result	RL
Gasoline C7-C12	ND	50
Freon 12	ND	1.0
tert-Butyl Alcohol (TBA)	ND	10
Chloromethane	ND	1.0
Isopropyl Ether (DIPE)	ND	0.5
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Chloroethane	ND	1.0
Methyl tert-Amyl Ether (TAME)	ND	0.5
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Gasoline by GC/MS

Lab #:	230191	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	5086	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC604189	Batch#:	177798
Matrix:	Water	Analyzed:	08/14/11
Units:	ug/L		

Analyte	Result	RL
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	104	80-127
1,2-Dichloroethane-d4	113	73-145
Toluene-d8	100	80-120
Bromofluorobenzene	106	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Gasoline by GC/MS

Lab #:	230191	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	5086	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	177798
Units:	ug/L	Analyzed:	08/14/11
Diln Fac:	1.000		

Type: BS Lab ID: QC604190

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	100.0	97.87	98	46-141
Isopropyl Ether (DIPE)	20.00	22.13	111	52-139
Ethyl tert-Butyl Ether (ETBE)	20.00	20.80	104	56-131
Methyl tert-Amyl Ether (TAME)	20.00	17.44	87	65-120
1,1-Dichloroethene	20.00	23.34	117	64-133
Benzene	20.00	20.55	103	80-122
Trichloroethene	20.00	19.24	96	78-120
Toluene	20.00	20.60	103	80-120
Chlorobenzene	20.00	20.15	101	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	108	80-127
1,2-Dichloroethane-d4	102	73-145
Toluene-d8	100	80-120
Bromofluorobenzene	101	80-120

Type: BSD Lab ID: QC604191

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	100.0	100.5	100	46-141	3	31
Isopropyl Ether (DIPE)	20.00	22.84	114	52-139	3	20
Ethyl tert-Butyl Ether (ETBE)	20.00	22.25	111	56-131	7	20
Methyl tert-Amyl Ether (TAME)	20.00	19.37	97	65-120	10	20
1,1-Dichloroethene	20.00	24.07	120	64-133	3	20
Benzene	20.00	22.12	111	80-122	7	20
Trichloroethene	20.00	20.55	103	78-120	7	20
Toluene	20.00	20.99	105	80-120	2	20
Chlorobenzene	20.00	21.32	107	80-120	6	20

Surrogate	%REC	Limits
Dibromofluoromethane	110	80-127
1,2-Dichloroethane-d4	104	73-145
Toluene-d8	103	80-120
Bromofluorobenzene	98	80-120

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Gasoline by GC/MS

Lab #:	230191	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	5086	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	177798
Units:	ug/L	Analyzed:	08/14/11
Diln Fac:	1.000		

Type: BS Lab ID: QC604192

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	800.0	848.0	106	70-130

Surrogate	%REC	Limits
Dibromofluoromethane	105	80-127
1,2-Dichloroethane-d4	111	73-145
Toluene-d8	103	80-120
Bromofluorobenzene	105	80-120

Type: BSD Lab ID: QC604193

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	800.0	800.5	100	70-130	6	20

Surrogate	%REC	Limits
Dibromofluoromethane	103	80-127
1,2-Dichloroethane-d4	106	73-145
Toluene-d8	95	80-120
Bromofluorobenzene	105	80-120

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Gasoline by GC/MS

Lab #:	230191	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	5086	Analysis:	EPA 8260B
Field ID:	ZZZZZZZZZZ	Batch#:	177798
MSS Lab ID:	230198-001	Sampled:	08/11/11
Matrix:	Water	Received:	08/11/11
Units:	ug/L	Analyzed:	08/14/11
Diln Fac:	1.000		

Type: MS Lab ID: QC604199

Analyte	MSS Result	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	<2.239	125.0	137.5	110	62-143
Isopropyl Ether (DIPE)	<0.1000	25.00	26.44	106	69-126
Ethyl tert-Butyl Ether (ETBE)	<0.1000	25.00	26.89	108	72-121
Methyl tert-Amyl Ether (TAME)	<0.1002	25.00	22.58	90	75-120
1,1-Dichloroethene	<0.1519	25.00	28.83	115	73-126
Benzene	<0.1000	25.00	26.24	105	80-120
Trichloroethene	<0.1000	25.00	23.46	94	69-122
Toluene	0.1078	25.00	25.59	102	80-120
Chlorobenzene	<0.1296	25.00	24.84	99	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	109	80-127
1,2-Dichloroethane-d4	103	73-145
Toluene-d8	97	80-120
Bromofluorobenzene	100	80-120

Type: MSD Lab ID: QC604200

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	139.1	111	62-143	1	30
Isopropyl Ether (DIPE)	25.00	26.30	105	69-126	1	20
Ethyl tert-Butyl Ether (ETBE)	25.00	23.72	95	72-121	13	20
Methyl tert-Amyl Ether (TAME)	25.00	22.83	91	75-120	1	20
1,1-Dichloroethene	25.00	27.59	110	73-126	4	20
Benzene	25.00	26.73	107	80-120	2	20
Trichloroethene	25.00	22.96	92	69-122	2	20
Toluene	25.00	24.89	99	80-120	3	20
Chlorobenzene	25.00	24.35	97	80-120	2	20

Surrogate	%REC	Limits
Dibromofluoromethane	106	80-127
1,2-Dichloroethane-d4	106	73-145
Toluene-d8	97	80-120
Bromofluorobenzene	102	80-120

RPD= Relative Percent Difference

Data File: \\Gcmsserver\DD\chem\MSVOA08.i\081411.b\HHE14TVH.D

Date : 14-AUG-2011 20:09

Client ID: DYNA P&T

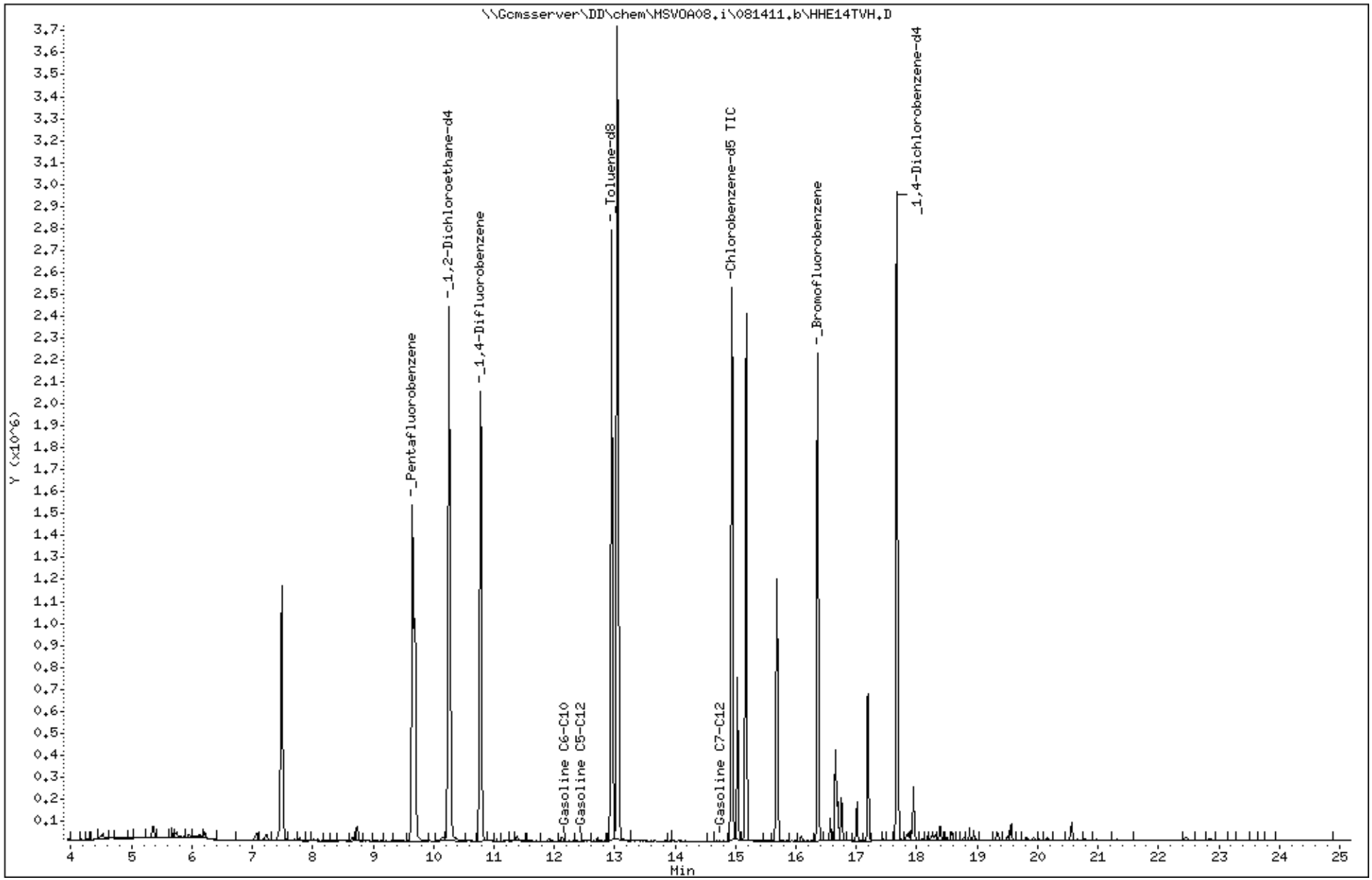
Instrument: MSVOA08.i

Sample Info: S,230191-010

Operator: VOC

Column phase:

Column diameter: 2.00



Data File: \\Gcmsserver\DD\chem\MSVOA08.i\081411.b\HHE13TVH.D

Date : 14-AUG-2011 19:31

Client ID: DYNA P&T

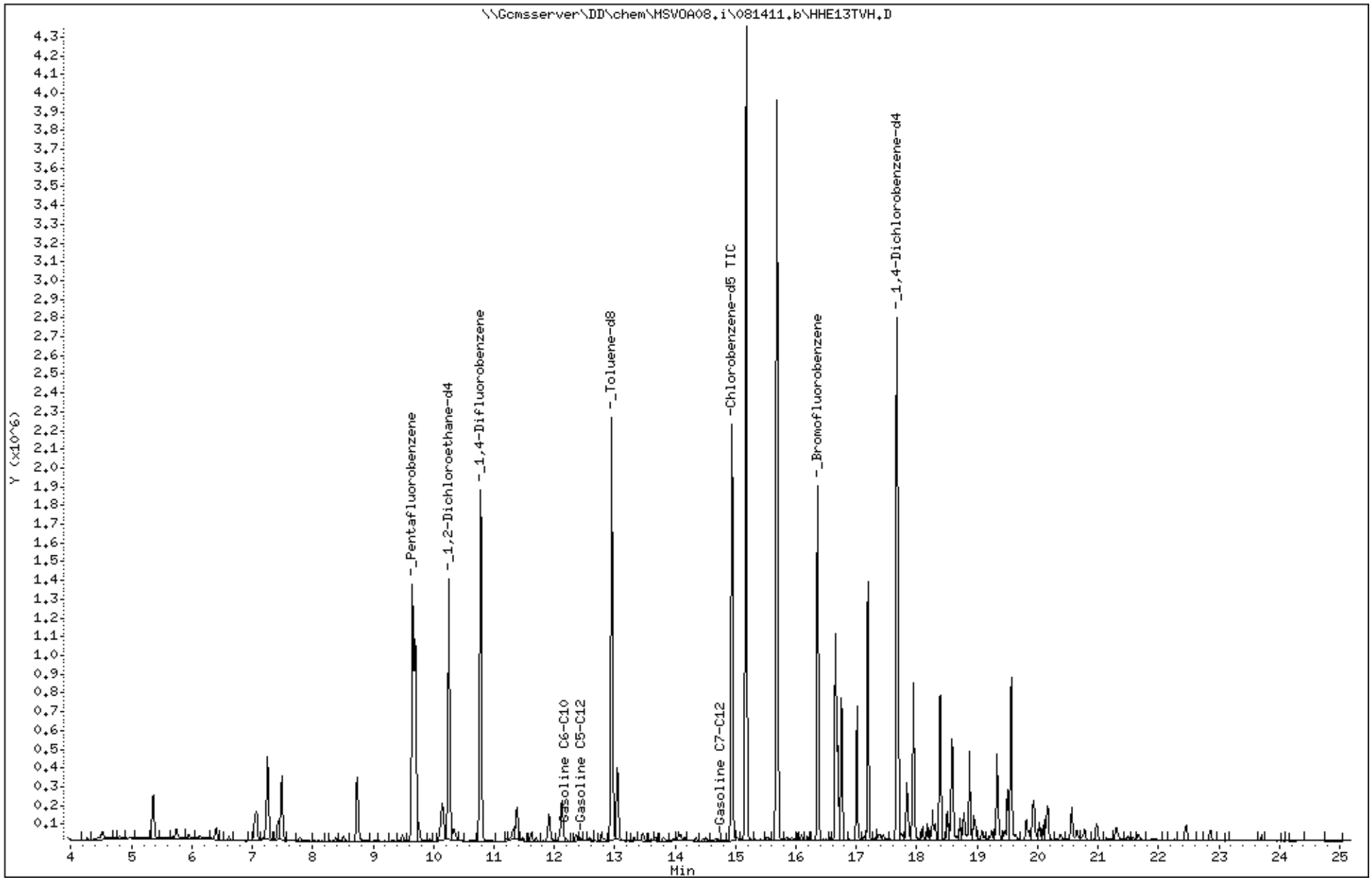
Instrument: MSVOA08.i

Sample Info: S,230191-011

Operator: VOC

Column phase:

Column diameter: 2.00



Data File: \\Gcmsserver\DD\chem\MSVOA08.i\081411.b\HHE07TVH.D

Date : 14-AUG-2011 15:43

Client ID: DYNA P&T

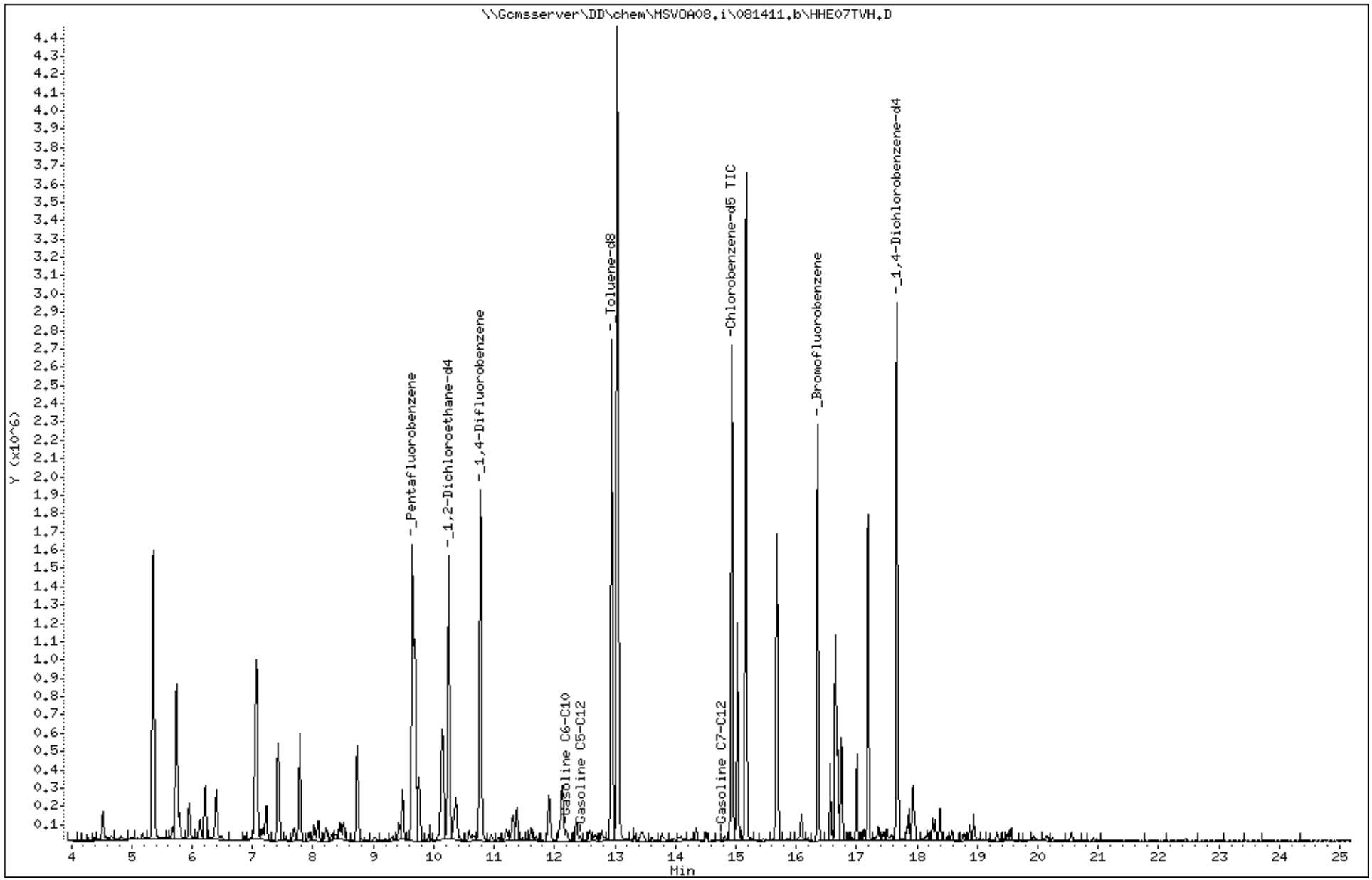
Instrument: MSVOA08.i

Sample Info: CCV/BS,QC604192,177798,S17254,.008/100

Operator: VOC

Column phase:

Column diameter: 2.00



Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	230191	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	5086	Analysis:	EPA 8260B
Field ID:	SS-1	Diln Fac:	500.0
Lab ID:	230191-001	Batch#:	177940
Matrix:	Soil	Sampled:	08/09/11
Units:	ug/Kg	Received:	08/10/11
Basis:	as received	Analyzed:	08/17/11

Analyte	Result	RL
Freon 12	ND	5,000
tert-Butyl Alcohol (TBA)	ND	50,000
Chloromethane	ND	5,000
Isopropyl Ether (DIPE)	ND	2,500
Vinyl Chloride	ND	5,000
Bromomethane	ND	5,000
Ethyl tert-Butyl Ether (ETBE)	ND	2,500
Chloroethane	ND	5,000
Methyl tert-Amyl Ether (TAME)	ND	2,500
Trichlorofluoromethane	ND	2,500
Acetone	ND	10,000
Freon 113	ND	2,500
1,1-Dichloroethene	ND	2,500
Methylene Chloride	ND	10,000
Carbon Disulfide	ND	2,500
MTBE	3,300	2,500
trans-1,2-Dichloroethene	ND	2,500
Vinyl Acetate	ND	25,000
1,1-Dichloroethane	ND	2,500
2-Butanone	ND	5,000
cis-1,2-Dichloroethene	ND	2,500
2,2-Dichloropropane	ND	2,500
Chloroform	ND	2,500
Bromochloromethane	ND	2,500
1,1,1-Trichloroethane	ND	2,500
1,1-Dichloropropene	ND	2,500
Carbon Tetrachloride	ND	2,500
1,2-Dichloroethane	ND	2,500
Benzene	ND	2,500
Trichloroethene	ND	2,500
1,2-Dichloropropane	ND	2,500
Bromodichloromethane	ND	2,500
Dibromomethane	ND	2,500
4-Methyl-2-Pentanone	ND	5,000
cis-1,3-Dichloropropene	ND	2,500
Toluene	15,000	2,500
trans-1,3-Dichloropropene	ND	2,500
1,1,2-Trichloroethane	ND	2,500
2-Hexanone	ND	5,000
1,3-Dichloropropane	ND	2,500
Tetrachloroethene	ND	2,500
Dibromochloromethane	ND	2,500
1,2-Dibromoethane	ND	2,500
Chlorobenzene	ND	2,500
1,1,1,2-Tetrachloroethane	ND	2,500
Ethylbenzene	17,000	2,500
m,p-Xylenes	87,000	2,500
o-Xylene	36,000	2,500
Styrene	ND	2,500
Bromoform	ND	2,500
Isopropylbenzene	2,700	2,500
1,1,2,2-Tetrachloroethane	ND	2,500
1,2,3-Trichloropropane	ND	2,500
Propylbenzene	12,000	2,500

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	230191	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	5086	Analysis:	EPA 8260B
Field ID:	SS-1	Dil'n Fac:	500.0
Lab ID:	230191-001	Batch#:	177940
Matrix:	Soil	Sampled:	08/09/11
Units:	ug/Kg	Received:	08/10/11
Basis:	as received	Analyzed:	08/17/11

Analyte	Result	RL
Bromobenzene	ND	2,500
1,3,5-Trimethylbenzene	29,000	2,500
2-Chlorotoluene	ND	2,500
4-Chlorotoluene	ND	2,500
tert-Butylbenzene	ND	2,500
1,2,4-Trimethylbenzene	93,000	2,500
sec-Butylbenzene	ND	2,500
para-Isopropyl Toluene	ND	2,500
1,3-Dichlorobenzene	ND	2,500
1,4-Dichlorobenzene	ND	2,500
n-Butylbenzene	7,500	2,500
1,2-Dichlorobenzene	ND	2,500
1,2-Dibromo-3-Chloropropane	ND	2,500
1,2,4-Trichlorobenzene	ND	2,500
Hexachlorobutadiene	ND	2,500
Naphthalene	19,000	2,500
1,2,3-Trichlorobenzene	ND	2,500

Surrogate	%REC	Limits
Dibromofluoromethane	103	71-126
1,2-Dichloroethane-d4	82	74-130
Toluene-d8	96	80-120
Bromofluorobenzene	99	76-131
Trifluorotoluene (MeOH)	97	58-142

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	230191	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	5086	Analysis:	EPA 8260B
Field ID:	SS-2	Dil'n Fac:	400.0
Lab ID:	230191-002	Batch#:	177940
Matrix:	Soil	Sampled:	08/09/11
Units:	ug/Kg	Received:	08/10/11
Basis:	as received	Analyzed:	08/17/11

Analyte	Result	RL
Freon 12	ND	4,000
tert-Butyl Alcohol (TBA)	ND	40,000
Chloromethane	ND	4,000
Isopropyl Ether (DIPE)	ND	2,000
Vinyl Chloride	ND	4,000
Bromomethane	ND	4,000
Ethyl tert-Butyl Ether (ETBE)	ND	2,000
Chloroethane	ND	4,000
Methyl tert-Amyl Ether (TAME)	ND	2,000
Trichlorofluoromethane	ND	2,000
Acetone	ND	8,000
Freon 113	ND	2,000
1,1-Dichloroethene	ND	2,000
Methylene Chloride	ND	8,000
Carbon Disulfide	ND	2,000
MTBE	ND	2,000
trans-1,2-Dichloroethene	ND	2,000
Vinyl Acetate	ND	20,000
1,1-Dichloroethane	ND	2,000
2-Butanone	ND	4,000
cis-1,2-Dichloroethene	ND	2,000
2,2-Dichloropropane	ND	2,000
Chloroform	ND	2,000
Bromochloromethane	ND	2,000
1,1,1-Trichloroethane	ND	2,000
1,1-Dichloropropene	ND	2,000
Carbon Tetrachloride	ND	2,000
1,2-Dichloroethane	ND	2,000
Benzene	ND	2,000
Trichloroethene	ND	2,000
1,2-Dichloropropane	ND	2,000
Bromodichloromethane	ND	2,000
Dibromomethane	ND	2,000
4-Methyl-2-Pentanone	ND	4,000
cis-1,3-Dichloropropene	ND	2,000
Toluene	ND	2,000
trans-1,3-Dichloropropene	ND	2,000
1,1,2-Trichloroethane	ND	2,000
2-Hexanone	ND	4,000
1,3-Dichloropropane	ND	2,000
Tetrachloroethene	ND	2,000
Dibromochloromethane	ND	2,000
1,2-Dibromoethane	ND	2,000
Chlorobenzene	ND	2,000
1,1,1,2-Tetrachloroethane	ND	2,000
Ethylbenzene	ND	2,000
m,p-Xylenes	ND	2,000
o-Xylene	ND	2,000
Styrene	ND	2,000
Bromoform	ND	2,000
Isopropylbenzene	ND	2,000
1,1,2,2-Tetrachloroethane	ND	2,000
1,2,3-Trichloropropane	ND	2,000
Propylbenzene	ND	2,000

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	230191	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	5086	Analysis:	EPA 8260B
Field ID:	SS-2	Dil'n Fac:	400.0
Lab ID:	230191-002	Batch#:	177940
Matrix:	Soil	Sampled:	08/09/11
Units:	ug/Kg	Received:	08/10/11
Basis:	as received	Analyzed:	08/17/11

Analyte	Result	RL
Bromobenzene	ND	2,000
1,3,5-Trimethylbenzene	ND	2,000
2-Chlorotoluene	ND	2,000
4-Chlorotoluene	ND	2,000
tert-Butylbenzene	ND	2,000
1,2,4-Trimethylbenzene	ND	2,000
sec-Butylbenzene	ND	2,000
para-Isopropyl Toluene	ND	2,000
1,3-Dichlorobenzene	ND	2,000
1,4-Dichlorobenzene	ND	2,000
n-Butylbenzene	2,400	2,000
1,2-Dichlorobenzene	ND	2,000
1,2-Dibromo-3-Chloropropane	ND	2,000
1,2,4-Trichlorobenzene	ND	2,000
Hexachlorobutadiene	ND	2,000
Naphthalene	3,800	2,000
1,2,3-Trichlorobenzene	ND	2,000

Surrogate	%REC	Limits
Dibromofluoromethane	103	71-126
1,2-Dichloroethane-d4	81	74-130
Toluene-d8	95	80-120
Bromofluorobenzene	105	76-131
Trifluorotoluene (MeOH)	83	58-142

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	230191	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	5086	Analysis:	EPA 8260B
Field ID:	SS-3	Basis:	as received
Lab ID:	230191-003	Sampled:	08/09/11
Matrix:	Soil	Received:	08/10/11
Units:	ug/Kg		

Analyte	Result	RL	Diln Fac	Batch#	Analyzed
Freon 12	ND	9.1	0.9107	177866	08/16/11
tert-Butyl Alcohol (TBA)	110	91	0.9107	177866	08/16/11
Chloromethane	ND	9.1	0.9107	177866	08/16/11
Isopropyl Ether (DIPE)	ND	4.6	0.9107	177866	08/16/11
Vinyl Chloride	ND	9.1	0.9107	177866	08/16/11
Bromomethane	ND	9.1	0.9107	177866	08/16/11
Ethyl tert-Butyl Ether (ETBE)	ND	4.6	0.9107	177866	08/16/11
Chloroethane	ND	9.1	0.9107	177866	08/16/11
Methyl tert-Amyl Ether (TAME)	140	4.6	0.9107	177866	08/16/11
Trichlorofluoromethane	ND	4.6	0.9107	177866	08/16/11
Acetone	57	18	0.9107	177866	08/16/11
Freon 113	ND	4.6	0.9107	177866	08/16/11
1,1-Dichloroethene	ND	4.6	0.9107	177866	08/16/11
Methylene Chloride	26	18	0.9107	177866	08/16/11
Carbon Disulfide	ND	4.6	0.9107	177866	08/16/11
MTBE	540	26	5.155	177940	08/17/11
trans-1,2-Dichloroethene	ND	4.6	0.9107	177866	08/16/11
Vinyl Acetate	ND	46	0.9107	177866	08/16/11
1,1-Dichloroethane	ND	4.6	0.9107	177866	08/16/11
2-Butanone	ND	9.1	0.9107	177866	08/16/11
cis-1,2-Dichloroethene	ND	4.6	0.9107	177866	08/16/11
2,2-Dichloropropane	ND	4.6	0.9107	177866	08/16/11
Chloroform	ND	4.6	0.9107	177866	08/16/11
Bromochloromethane	ND	4.6	0.9107	177866	08/16/11
1,1,1-Trichloroethane	ND	4.6	0.9107	177866	08/16/11
1,1-Dichloropropene	ND	4.6	0.9107	177866	08/16/11
Carbon Tetrachloride	ND	4.6	0.9107	177866	08/16/11
1,2-Dichloroethane	ND	4.6	0.9107	177866	08/16/11
Benzene	5.3	4.6	0.9107	177866	08/16/11
Trichloroethene	ND	4.6	0.9107	177866	08/16/11
1,2-Dichloropropane	ND	4.6	0.9107	177866	08/16/11
Bromodichloromethane	ND	4.6	0.9107	177866	08/16/11
Dibromomethane	ND	4.6	0.9107	177866	08/16/11
4-Methyl-2-Pentanone	ND	9.1	0.9107	177866	08/16/11
cis-1,3-Dichloropropene	ND	4.6	0.9107	177866	08/16/11
Toluene	60	4.6	0.9107	177866	08/16/11
trans-1,3-Dichloropropene	ND	4.6	0.9107	177866	08/16/11
1,1,2-Trichloroethane	ND	4.6	0.9107	177866	08/16/11
2-Hexanone	ND	9.1	0.9107	177866	08/16/11
1,3-Dichloropropane	ND	4.6	0.9107	177866	08/16/11
Tetrachloroethene	ND	4.6	0.9107	177866	08/16/11
Dibromochloromethane	ND	4.6	0.9107	177866	08/16/11
1,2-Dibromoethane	ND	4.6	0.9107	177866	08/16/11
Chlorobenzene	ND	4.6	0.9107	177866	08/16/11
1,1,1,2-Tetrachloroethane	ND	4.6	0.9107	177866	08/16/11
Ethylbenzene	7.8	4.6	0.9107	177866	08/16/11
m,p-Xylenes	28	4.6	0.9107	177866	08/16/11
o-Xylene	15	4.6	0.9107	177866	08/16/11
Styrene	ND	4.6	0.9107	177866	08/16/11
Bromoform	ND	4.6	0.9107	177866	08/16/11
Isopropylbenzene	ND	4.6	0.9107	177866	08/16/11
1,1,2,2-Tetrachloroethane	ND	4.6	0.9107	177866	08/16/11
1,2,3-Trichloropropane	ND	4.6	0.9107	177866	08/16/11
Propylbenzene	ND	4.6	0.9107	177866	08/16/11
Bromobenzene	ND	4.6	0.9107	177866	08/16/11

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	230191	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	5086	Analysis:	EPA 8260B
Field ID:	SS-3	Basis:	as received
Lab ID:	230191-003	Sampled:	08/09/11
Matrix:	Soil	Received:	08/10/11
Units:	ug/Kg		

Analyte	Result	RL	Diln Fac	Batch#	Analyzed
1,3,5-Trimethylbenzene	ND	4.6	0.9107	177866	08/16/11
2-Chlorotoluene	ND	4.6	0.9107	177866	08/16/11
4-Chlorotoluene	ND	4.6	0.9107	177866	08/16/11
tert-Butylbenzene	ND	4.6	0.9107	177866	08/16/11
1,2,4-Trimethylbenzene	5.9	4.6	0.9107	177866	08/16/11
sec-Butylbenzene	ND	4.6	0.9107	177866	08/16/11
para-Isopropyl Toluene	ND	4.6	0.9107	177866	08/16/11
1,3-Dichlorobenzene	ND	4.6	0.9107	177866	08/16/11
1,4-Dichlorobenzene	ND	4.6	0.9107	177866	08/16/11
n-Butylbenzene	ND	4.6	0.9107	177866	08/16/11
1,2-Dichlorobenzene	ND	4.6	0.9107	177866	08/16/11
1,2-Dibromo-3-Chloropropane	ND	4.6	0.9107	177866	08/16/11
1,2,4-Trichlorobenzene	ND	4.6	0.9107	177866	08/16/11
Hexachlorobutadiene	ND	4.6	0.9107	177866	08/16/11
Naphthalene	ND	4.6	0.9107	177866	08/16/11
1,2,3-Trichlorobenzene	ND	4.6	0.9107	177866	08/16/11

Surrogate	%REC	Limits	Diln Fac	Batch#	Analyzed
Dibromofluoromethane	126	71-126	0.9107	177866	08/16/11
1,2-Dichloroethane-d4	99	74-130	0.9107	177866	08/16/11
Toluene-d8	96	80-120	0.9107	177866	08/16/11
Bromofluorobenzene	112	76-131	0.9107	177866	08/16/11

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	230191	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	5086	Analysis:	EPA 8260B
Field ID:	SS-4	Basis:	as received
Lab ID:	230191-004	Sampled:	08/09/11
Matrix:	Soil	Received:	08/10/11
Units:	ug/Kg		

Analyte	Result	RL	Diln Fac	Batch#	Analyzed
Freon 12	ND	10	0.9960	177866	08/16/11
tert-Butyl Alcohol (TBA)	ND	100	0.9960	177866	08/16/11
Chloromethane	ND	10	0.9960	177866	08/16/11
Isopropyl Ether (DIPE)	ND	5.0	0.9960	177866	08/16/11
Vinyl Chloride	ND	10	0.9960	177866	08/16/11
Bromomethane	ND	10	0.9960	177866	08/16/11
Ethyl tert-Butyl Ether (ETBE)	ND	5.0	0.9960	177866	08/16/11
Chloroethane	ND	10	0.9960	177866	08/16/11
Methyl tert-Amyl Ether (TAME)	64	5.0	0.9960	177866	08/16/11
Trichlorofluoromethane	ND	5.0	0.9960	177866	08/16/11
Acetone	45	20	0.9960	177866	08/16/11
Freon 113	ND	5.0	0.9960	177866	08/16/11
1,1-Dichloroethene	ND	5.0	0.9960	177866	08/16/11
Methylene Chloride	ND	20	0.9960	177866	08/16/11
Carbon Disulfide	ND	5.0	0.9960	177866	08/16/11
MTBE	310	12	2.463	177940	08/17/11
trans-1,2-Dichloroethene	ND	5.0	0.9960	177866	08/16/11
Vinyl Acetate	ND	50	0.9960	177866	08/16/11
1,1-Dichloroethane	ND	5.0	0.9960	177866	08/16/11
2-Butanone	ND	10	0.9960	177866	08/16/11
cis-1,2-Dichloroethene	ND	5.0	0.9960	177866	08/16/11
2,2-Dichloropropane	ND	5.0	0.9960	177866	08/16/11
Chloroform	ND	5.0	0.9960	177866	08/16/11
Bromochloromethane	ND	5.0	0.9960	177866	08/16/11
1,1,1-Trichloroethane	ND	5.0	0.9960	177866	08/16/11
1,1-Dichloropropene	ND	5.0	0.9960	177866	08/16/11
Carbon Tetrachloride	ND	5.0	0.9960	177866	08/16/11
1,2-Dichloroethane	ND	5.0	0.9960	177866	08/16/11
Benzene	5.4	5.0	0.9960	177866	08/16/11
Trichloroethene	ND	5.0	0.9960	177866	08/16/11
1,2-Dichloropropane	ND	5.0	0.9960	177866	08/16/11
Bromodichloromethane	ND	5.0	0.9960	177866	08/16/11
Dibromomethane	ND	5.0	0.9960	177866	08/16/11
4-Methyl-2-Pentanone	ND	10	0.9960	177866	08/16/11
cis-1,3-Dichloropropene	ND	5.0	0.9960	177866	08/16/11
Toluene	55	5.0	0.9960	177866	08/16/11
trans-1,3-Dichloropropene	ND	5.0	0.9960	177866	08/16/11
1,1,2-Trichloroethane	ND	5.0	0.9960	177866	08/16/11
2-Hexanone	ND	10	0.9960	177866	08/16/11
1,3-Dichloropropane	ND	5.0	0.9960	177866	08/16/11
Tetrachloroethene	ND	5.0	0.9960	177866	08/16/11
Dibromochloromethane	ND	5.0	0.9960	177866	08/16/11
1,2-Dibromoethane	ND	5.0	0.9960	177866	08/16/11
Chlorobenzene	ND	5.0	0.9960	177866	08/16/11
1,1,1,2-Tetrachloroethane	ND	5.0	0.9960	177866	08/16/11
Ethylbenzene	11	5.0	0.9960	177866	08/16/11
m,p-Xylenes	37	5.0	0.9960	177866	08/16/11
o-Xylene	17	5.0	0.9960	177866	08/16/11
Styrene	ND	5.0	0.9960	177866	08/16/11
Bromoform	ND	5.0	0.9960	177866	08/16/11
Isopropylbenzene	ND	5.0	0.9960	177866	08/16/11
1,1,2,2-Tetrachloroethane	ND	5.0	0.9960	177866	08/16/11
1,2,3-Trichloropropane	ND	5.0	0.9960	177866	08/16/11
Propylbenzene	5.0	5.0	0.9960	177866	08/16/11
Bromobenzene	ND	5.0	0.9960	177866	08/16/11

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	230191	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	5086	Analysis:	EPA 8260B
Field ID:	SS-4	Basis:	as received
Lab ID:	230191-004	Sampled:	08/09/11
Matrix:	Soil	Received:	08/10/11
Units:	ug/Kg		

Analyte	Result	RL	Diln Fac	Batch#	Analyzed
1,3,5-Trimethylbenzene	ND	5.0	0.9960	177866	08/16/11
2-Chlorotoluene	ND	5.0	0.9960	177866	08/16/11
4-Chlorotoluene	ND	5.0	0.9960	177866	08/16/11
tert-Butylbenzene	ND	5.0	0.9960	177866	08/16/11
1,2,4-Trimethylbenzene	ND	5.0	0.9960	177866	08/16/11
sec-Butylbenzene	6.6	5.0	0.9960	177866	08/16/11
para-Isopropyl Toluene	ND	5.0	0.9960	177866	08/16/11
1,3-Dichlorobenzene	ND	5.0	0.9960	177866	08/16/11
1,4-Dichlorobenzene	ND	5.0	0.9960	177866	08/16/11
n-Butylbenzene	11	5.0	0.9960	177866	08/16/11
1,2-Dichlorobenzene	ND	5.0	0.9960	177866	08/16/11
1,2-Dibromo-3-Chloropropane	ND	5.0	0.9960	177866	08/16/11
1,2,4-Trichlorobenzene	ND	5.0	0.9960	177866	08/16/11
Hexachlorobutadiene	ND	5.0	0.9960	177866	08/16/11
Naphthalene	ND	5.0	0.9960	177866	08/16/11
1,2,3-Trichlorobenzene	ND	5.0	0.9960	177866	08/16/11

Surrogate	%REC	Limits	Diln Fac	Batch#	Analyzed
Dibromofluoromethane	126	71-126	0.9960	177866	08/16/11
1,2-Dichloroethane-d4	98	74-130	0.9960	177866	08/16/11
Toluene-d8	90	80-120	0.9960	177866	08/16/11
Bromofluorobenzene	114	76-131	0.9960	177866	08/16/11

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	230191	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	5086	Analysis:	EPA 8260B
Field ID:	CS-1-CS-4 COMPOSITE	Dil'n Fac:	250.0
Lab ID:	230191-009	Batch#:	177940
Matrix:	Soil	Sampled:	08/09/11
Units:	ug/Kg	Received:	08/10/11
Basis:	as received	Analyzed:	08/17/11

Analyte	Result	RL
Freon 12	ND	2,500
tert-Butyl Alcohol (TBA)	ND	25,000
Chloromethane	ND	2,500
Isopropyl Ether (DIPE)	ND	1,300
Vinyl Chloride	ND	2,500
Bromomethane	ND	2,500
Ethyl tert-Butyl Ether (ETBE)	ND	1,300
Chloroethane	ND	2,500
Methyl tert-Amyl Ether (TAME)	ND	1,300
Trichlorofluoromethane	ND	1,300
Acetone	ND	5,000
Freon 113	ND	1,300
1,1-Dichloroethene	ND	1,300
Methylene Chloride	ND	5,000
Carbon Disulfide	ND	1,300
MTBE	ND	1,300
trans-1,2-Dichloroethene	ND	1,300
Vinyl Acetate	ND	13,000
1,1-Dichloroethane	ND	1,300
2-Butanone	ND	2,500
cis-1,2-Dichloroethene	ND	1,300
2,2-Dichloropropane	ND	1,300
Chloroform	ND	1,300
Bromochloromethane	ND	1,300
1,1,1-Trichloroethane	ND	1,300
1,1-Dichloropropene	ND	1,300
Carbon Tetrachloride	ND	1,300
1,2-Dichloroethane	ND	1,300
Benzene	ND	1,300
Trichloroethene	ND	1,300
1,2-Dichloropropane	ND	1,300
Bromodichloromethane	ND	1,300
Dibromomethane	ND	1,300
4-Methyl-2-Pentanone	ND	2,500
cis-1,3-Dichloropropene	ND	1,300
Toluene	2,100	1,300
trans-1,3-Dichloropropene	ND	1,300
1,1,2-Trichloroethane	ND	1,300
2-Hexanone	ND	2,500
1,3-Dichloropropane	ND	1,300
Tetrachloroethene	ND	1,300
Dibromochloromethane	ND	1,300
1,2-Dibromoethane	ND	1,300
Chlorobenzene	ND	1,300
1,1,1,2-Tetrachloroethane	ND	1,300
Ethylbenzene	4,800	1,300
m,p-Xylenes	25,000	1,300
o-Xylene	10,000	1,300
Styrene	ND	1,300
Bromoform	ND	1,300
Isopropylbenzene	ND	1,300
1,1,2,2-Tetrachloroethane	ND	1,300
1,2,3-Trichloropropane	ND	1,300
Propylbenzene	3,300	1,300

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	230191	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	5086	Analysis:	EPA 8260B
Field ID:	CS-1-CS-4 COMPOSITE	Dil'n Fac:	250.0
Lab ID:	230191-009	Batch#:	177940
Matrix:	Soil	Sampled:	08/09/11
Units:	ug/Kg	Received:	08/10/11
Basis:	as received	Analyzed:	08/17/11

Analyte	Result	RL
Bromobenzene	ND	1,300
1,3,5-Trimethylbenzene	9,800	1,300
2-Chlorotoluene	ND	1,300
4-Chlorotoluene	ND	1,300
tert-Butylbenzene	ND	1,300
1,2,4-Trimethylbenzene	30,000	1,300
sec-Butylbenzene	ND	1,300
para-Isopropyl Toluene	ND	1,300
1,3-Dichlorobenzene	ND	1,300
1,4-Dichlorobenzene	ND	1,300
n-Butylbenzene	1,800	1,300
1,2-Dichlorobenzene	ND	1,300
1,2-Dibromo-3-Chloropropane	ND	1,300
1,2,4-Trichlorobenzene	ND	1,300
Hexachlorobutadiene	ND	1,300
Naphthalene	4,500	1,300
1,2,3-Trichlorobenzene	ND	1,300

Surrogate	%REC	Limits
Dibromofluoromethane	112	71-126
1,2-Dichloroethane-d4	81	74-130
Toluene-d8	99	80-120
Bromofluorobenzene	102	76-131
Trifluorotoluene (MeOH)	88	58-142

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Volatile Organics

Lab #:	230191	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	5086	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC604502	Batch#:	177866
Matrix:	Soil	Analyzed:	08/16/11
Units:	ug/Kg		

Analyte	Result	RL
Freon 12	ND	10
tert-Butyl Alcohol (TBA)	ND	100
Chloromethane	ND	10
Isopropyl Ether (DIPE)	ND	5.0
Vinyl Chloride	ND	10
Bromomethane	ND	10
Ethyl tert-Butyl Ether (ETBE)	ND	5.0
Chloroethane	ND	10
Methyl tert-Amyl Ether (TAME)	ND	5.0
Trichlorofluoromethane	ND	5.0
Acetone	ND	20
Freon 113	ND	5.0
1,1-Dichloroethene	ND	5.0
Methylene Chloride	ND	20
Carbon Disulfide	ND	5.0
MTBE	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
Vinyl Acetate	ND	50
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	5.0
2,2-Dichloropropane	ND	5.0
Chloroform	ND	5.0
Bromochloromethane	ND	5.0
1,1,1-Trichloroethane	ND	5.0
1,1-Dichloropropene	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
Dibromomethane	ND	5.0
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	5.0
Toluene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
2-Hexanone	ND	10
1,3-Dichloropropane	ND	5.0
Tetrachloroethene	ND	5.0
Dibromochloromethane	ND	5.0
1,2-Dibromoethane	ND	5.0
Chlorobenzene	ND	5.0
1,1,1,2-Tetrachloroethane	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
Styrene	ND	5.0
Bromoform	ND	5.0
Isopropylbenzene	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0
1,2,3-Trichloropropane	ND	5.0
Propylbenzene	ND	5.0

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Volatile Organics

Lab #:	230191	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	5086	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC604502	Batch#:	177866
Matrix:	Soil	Analyzed:	08/16/11
Units:	ug/Kg		

Analyte	Result	RL
Bromobenzene	ND	5.0
1,3,5-Trimethylbenzene	ND	5.0
2-Chlorotoluene	ND	5.0
4-Chlorotoluene	ND	5.0
tert-Butylbenzene	ND	5.0
1,2,4-Trimethylbenzene	ND	5.0
sec-Butylbenzene	ND	5.0
para-Isopropyl Toluene	ND	5.0
1,3-Dichlorobenzene	ND	5.0
1,4-Dichlorobenzene	ND	5.0
n-Butylbenzene	ND	5.0
1,2-Dichlorobenzene	ND	5.0
1,2-Dibromo-3-Chloropropane	ND	5.0
1,2,4-Trichlorobenzene	ND	5.0
Hexachlorobutadiene	ND	5.0
Naphthalene	ND	5.0
1,2,3-Trichlorobenzene	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	120	71-126
1,2-Dichloroethane-d4	86	74-130
Toluene-d8	98	80-120
Bromofluorobenzene	115	76-131

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Volatile Organics

Lab #:	230191	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	5086	Analysis:	EPA 8260B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC604503	Batch#:	177866
Matrix:	Soil	Analyzed:	08/16/11
Units:	ug/Kg		

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	100.0	85.32	85	44-138
Isopropyl Ether (DIPE)	20.00	15.66	78	54-130
Ethyl tert-Butyl Ether (ETBE)	20.00	17.27	86	58-124
Methyl tert-Amyl Ether (TAME)	20.00	15.03	75	63-120
1,1-Dichloroethene	20.00	20.46	102	69-127
Benzene	20.00	18.02	90	80-122
Trichloroethene	20.00	19.44	97	76-123
Toluene	20.00	19.52	98	80-120
Chlorobenzene	20.00	21.44	107	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	121	71-126
1,2-Dichloroethane-d4	88	74-130
Toluene-d8	102	80-120
Bromofluorobenzene	109	76-131

Curtis & Tompkins, Ltd.

Batch QC Report

Volatile Organics

Lab #:	230191	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	5086	Analysis:	EPA 8260B
Field ID:	ZZZZZZZZZZ	Batch#:	177866
MSS Lab ID:	230177-007	Sampled:	08/09/11
Matrix:	Soil	Received:	08/11/11
Units:	ug/Kg	Analyzed:	08/16/11
Basis:	as received		

Type: MS Diln Fac: 0.9960
Lab ID: QC604504

Analyte	MSS Result	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	<15.53	249.0	202.0	81	45-131
Isopropyl Ether (DIPE)	<1.281	49.80	30.95	62	53-120
Ethyl tert-Butyl Ether (ETBE)	<0.9653	49.80	37.35	75	53-120
Methyl tert-Amyl Ether (TAME)	<0.6288	49.80	34.45	69	56-120
1,1-Dichloroethene	<0.5911	49.80	43.74	88	57-134
Benzene	<0.9630	49.80	41.74	84	62-123
Trichloroethene	<1.124	49.80	45.15	91	50-146
Toluene	<1.299	49.80	44.90	90	59-120
Chlorobenzene	<0.2902	49.80	47.93	96	53-120

Surrogate	%REC	Limits
Dibromofluoromethane	103	71-126
1,2-Dichloroethane-d4	79	74-130
Toluene-d8	97	80-120
Bromofluorobenzene	100	76-131

Type: MSD Diln Fac: 0.9881
Lab ID: QC604505

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	247.0	205.2	83	45-131	2	44
Isopropyl Ether (DIPE)	49.41	32.91	67	53-120	7	39
Ethyl tert-Butyl Ether (ETBE)	49.41	41.22	83	53-120	11	39
Methyl tert-Amyl Ether (TAME)	49.41	36.73	74	56-120	7	39
1,1-Dichloroethene	49.41	43.67	88	57-134	1	45
Benzene	49.41	42.21	85	62-123	2	40
Trichloroethene	49.41	45.38	92	50-146	1	46
Toluene	49.41	47.52	96	59-120	6	43
Chlorobenzene	49.41	49.84	101	53-120	5	43

Surrogate	%REC	Limits
Dibromofluoromethane	107	71-126
1,2-Dichloroethane-d4	76	74-130
Toluene-d8	95	80-120
Bromofluorobenzene	100	76-131

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Volatile Organics

Lab #:	230191	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	5086	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC604802	Batch#:	177940
Matrix:	Soil	Analyzed:	08/17/11
Units:	ug/Kg		

Analyte	Result	RL
Freon 12	ND	10
tert-Butyl Alcohol (TBA)	ND	100
Chloromethane	ND	10
Isopropyl Ether (DIPE)	ND	5.0
Vinyl Chloride	ND	10
Bromomethane	ND	10
Ethyl tert-Butyl Ether (ETBE)	ND	5.0
Chloroethane	ND	10
Methyl tert-Amyl Ether (TAME)	ND	5.0
Trichlorofluoromethane	ND	5.0
Acetone	ND	20
Freon 113	ND	5.0
1,1-Dichloroethene	ND	5.0
Methylene Chloride	ND	20
Carbon Disulfide	ND	5.0
MTBE	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
Vinyl Acetate	ND	50
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	5.0
2,2-Dichloropropane	ND	5.0
Chloroform	ND	5.0
Bromochloromethane	ND	5.0
1,1,1-Trichloroethane	ND	5.0
1,1-Dichloropropene	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
Dibromomethane	ND	5.0
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	5.0
Toluene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
2-Hexanone	ND	10
1,3-Dichloropropane	ND	5.0
Tetrachloroethene	ND	5.0
Dibromochloromethane	ND	5.0
1,2-Dibromoethane	ND	5.0
Chlorobenzene	ND	5.0
1,1,1,2-Tetrachloroethane	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
Styrene	ND	5.0
Bromoform	ND	5.0
Isopropylbenzene	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0
1,2,3-Trichloropropane	ND	5.0
Propylbenzene	ND	5.0

ND= Not Detected
RL= Reporting Limit

Batch QC Report

Volatile Organics

Lab #:	230191	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	5086	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC604802	Batch#:	177940
Matrix:	Soil	Analyzed:	08/17/11
Units:	ug/Kg		

Analyte	Result	RL
Bromobenzene	ND	5.0
1,3,5-Trimethylbenzene	ND	5.0
2-Chlorotoluene	ND	5.0
4-Chlorotoluene	ND	5.0
tert-Butylbenzene	ND	5.0
1,2,4-Trimethylbenzene	ND	5.0
sec-Butylbenzene	ND	5.0
para-Isopropyl Toluene	ND	5.0
1,3-Dichlorobenzene	ND	5.0
1,4-Dichlorobenzene	ND	5.0
n-Butylbenzene	ND	5.0
1,2-Dichlorobenzene	ND	5.0
1,2-Dibromo-3-Chloropropane	ND	5.0
1,2,4-Trichlorobenzene	ND	5.0
Hexachlorobutadiene	ND	5.0
Naphthalene	ND	5.0
1,2,3-Trichlorobenzene	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	120	71-126
1,2-Dichloroethane-d4	90	74-130
Toluene-d8	99	80-120
Bromofluorobenzene	120	76-131

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Volatile Organics

Lab #:	230191	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	5086	Analysis:	EPA 8260B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC604803	Batch#:	177940
Matrix:	Soil	Analyzed:	08/17/11
Units:	ug/Kg		

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	100.0	90.78	91	44-138
Isopropyl Ether (DIPE)	20.00	15.78	79	54-130
Ethyl tert-Butyl Ether (ETBE)	20.00	17.24	86	58-124
Methyl tert-Amyl Ether (TAME)	20.00	14.31	72	63-120
1,1-Dichloroethene	20.00	18.43	92	69-127
Benzene	20.00	16.89	84	80-122
Trichloroethene	20.00	18.55	93	76-123
Toluene	20.00	18.53	93	80-120
Chlorobenzene	20.00	20.50	102	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	118	71-126
1,2-Dichloroethane-d4	86	74-130
Toluene-d8	95	80-120
Bromofluorobenzene	106	76-131

Curtis & Tompkins, Ltd.

Batch QC Report

Volatile Organics

Lab #:	230191	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	5086	Analysis:	EPA 8260B
Field ID:	ZZZZZZZZZZ	Batch#:	177940
MSS Lab ID:	230057-001	Sampled:	08/05/11
Matrix:	Soil	Received:	08/06/11
Units:	ug/Kg	Analyzed:	08/18/11
Basis:	as received		

Type: MS Diln Fac: 0.9940
Lab ID: QC604804

Analyte	MSS Result	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	<15.17	248.5	194.2	78	45-131
Isopropyl Ether (DIPE)	<1.251	49.70	31.93	64	53-120
Ethyl tert-Butyl Ether (ETBE)	<0.9428	49.70	34.92	70	53-120
Methyl tert-Amyl Ether (TAME)	<0.6141	49.70	33.04	66	56-120
1,1-Dichloroethene	<0.5773	49.70	40.56	82	57-134
Benzene	<0.9405	49.70	38.86	78	62-123
Trichloroethene	<1.097	49.70	39.53	80	50-146
Toluene	<1.269	49.70	40.36	81	59-120
Chlorobenzene	<0.2834	49.70	41.20	83	53-120

Surrogate	%REC	Limits
Dibromofluoromethane	112	71-126
1,2-Dichloroethane-d4	88	74-130
Toluene-d8	98	80-120
Bromofluorobenzene	104	76-131

Type: MSD Diln Fac: 0.9823
Lab ID: QC604805

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	245.6	153.1	62	45-131	22	44
Isopropyl Ether (DIPE)	49.12	28.69	58	53-120	10	39
Ethyl tert-Butyl Ether (ETBE)	49.12	30.32	62	53-120	13	39
Methyl tert-Amyl Ether (TAME)	49.12	28.21	57	56-120	15	39
1,1-Dichloroethene	49.12	39.23	80	57-134	2	45
Benzene	49.12	33.02	67	62-123	15	40
Trichloroethene	49.12	35.17	72	50-146	10	46
Toluene	49.12	33.70	69	59-120	17	43
Chlorobenzene	49.12	33.99	69	53-120	18	43

Surrogate	%REC	Limits
Dibromofluoromethane	110	71-126
1,2-Dichloroethane-d4	86	74-130
Toluene-d8	94	80-120
Bromofluorobenzene	112	76-131

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

California LUFT Metals

Lab #:	230191	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 3010A
Project#:	5086	Analysis:	EPA 6010B
Matrix:	Water	Sampled:	08/09/11
Units:	ug/L	Received:	08/10/11
Diln Fac:	1.000	Prepared:	08/11/11
Batch#:	177741		

Field ID: T-1 Lab ID: 230191-010
Type: SAMPLE Analyzed: 08/16/11

Analyte	Result	RL
Cadmium	ND	5.0
Chromium	11	5.0
Lead	39	5.0
Nickel	140	5.0
Zinc	210	20

Field ID: T-2 Lab ID: 230191-011
Type: SAMPLE

Analyte	Result	RL	Analyzed
Cadmium	ND	5.0	08/16/11
Chromium	6.1	5.0	08/16/11
Lead	8.0	5.0	08/17/11
Nickel	43	5.0	08/16/11
Zinc	73	20	08/16/11

Type: BLANK Analyzed: 08/15/11
Lab ID: QC603956

Analyte	Result	RL
Cadmium	ND	5.0
Chromium	ND	5.0
Lead	ND	5.0
Nickel	ND	5.0
Zinc	ND	20

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

California LUFT Metals

Lab #:	230191	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 3010A
Project#:	5086	Analysis:	EPA 6010B
Matrix:	Water	Batch#:	177741
Units:	ug/L	Prepared:	08/11/11
Diln Fac:	1.000	Analyzed:	08/15/11

Type: BS Lab ID: QC603957

Analyte	Spiked	Result	%REC	Limits
Cadmium	50.00	49.80	100	80-120
Chromium	200.0	196.4	98	80-120
Lead	100.0	90.02	90	77-120
Nickel	500.0	481.4	96	80-120
Zinc	500.0	487.1	97	80-120

Type: BSD Lab ID: QC603958

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Cadmium	50.00	48.45	97	80-120	3	20
Chromium	200.0	188.0	94	80-120	4	20
Lead	100.0	87.12	87	77-120	3	20
Nickel	500.0	461.3	92	80-120	4	20
Zinc	500.0	475.2	95	80-120	2	20

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

California LUFT Metals

Lab #:	230191	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 3010A
Project#:	5086	Analysis:	EPA 6010B
Field ID:	ZZZZZZZZZZ	Batch#:	177741
MSS Lab ID:	230113-006	Sampled:	08/08/11
Matrix:	Water	Received:	08/09/11
Units:	ug/L	Prepared:	08/11/11
Diln Fac:	1.000	Analyzed:	08/15/11

Type: MS Lab ID: QC603959

Analyte	MSS Result	Spiked	Result	%REC	Limits
Cadmium	<1.000	50.00	48.94	98	70-123
Chromium	<1.529	200.0	191.6	96	70-120
Lead	<1.425	100.0	87.77	88	58-120
Nickel	<0.8294	500.0	469.7	94	66-120
Zinc	<4.355	500.0	483.6	97	69-126

Type: MSD Lab ID: QC603960

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Cadmium	50.00	48.66	97	70-123	1	22
Chromium	200.0	189.7	95	70-120	1	22
Lead	100.0	87.67	88	58-120	0	29
Nickel	500.0	467.4	93	66-120	0	22
Zinc	500.0	480.2	96	69-126	1	23

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

California LUFT Metals

Lab #:	230191	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 3050B
Project#:	5086	Analysis:	EPA 6010B
Matrix:	Soil	Sampled:	08/09/11
Units:	mg/Kg	Received:	08/10/11
Basis:	as received	Prepared:	08/15/11
Batch#:	177808		

Field ID: SS-1 Lab ID: 230191-001
Type: SAMPLE

Analyte	Result	RL	Diln Fac	Analyzed
Cadmium	ND	0.25	1.000	08/15/11
Chromium	190	0.25	1.000	08/15/11
Lead	3.7	0.25	1.000	08/15/11
Nickel	800	2.3	10.00	08/16/11
Zinc	45	1.0	1.000	08/15/11

Field ID: SS-2 Lab ID: 230191-002
Type: SAMPLE

Analyte	Result	RL	Diln Fac	Analyzed
Cadmium	0.26	0.25	1.000	08/15/11
Chromium	320	0.25	1.000	08/15/11
Lead	1.9	0.25	1.000	08/15/11
Nickel	1,400	2.4	10.00	08/16/11
Zinc	36	1.0	1.000	08/15/11

Field ID: SS-3 Lab ID: 230191-003
Type: SAMPLE

Analyte	Result	RL	Diln Fac	Analyzed
Cadmium	ND	0.25	1.000	08/15/11
Chromium	250	0.25	1.000	08/15/11
Lead	1.0	0.25	1.000	08/15/11
Nickel	1,000	2.5	10.00	08/16/11
Zinc	36	1.0	1.000	08/15/11

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

California LUFT Metals

Lab #:	230191	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 3050B
Project#:	5086	Analysis:	EPA 6010B
Matrix:	Soil	Sampled:	08/09/11
Units:	mg/Kg	Received:	08/10/11
Basis:	as received	Prepared:	08/15/11
Batch#:	177808		

Field ID: SS-4 Lab ID: 230191-004
Type: SAMPLE

Analyte	Result	RL	Diln Fac	Analyzed
Cadmium	ND	0.25	1.000	08/15/11
Chromium	230	0.25	1.000	08/15/11
Lead	1.6	0.25	1.000	08/15/11
Nickel	1,000	2.2	10.00	08/16/11
Zinc	39	1.0	1.000	08/15/11

Field ID: CS-1-CS-4 COMPOSITE Lab ID: 230191-009
Type: SAMPLE

Analyte	Result	RL	Diln Fac	Analyzed
Cadmium	ND	0.25	1.000	08/15/11
Chromium	280	0.25	1.000	08/15/11
Lead	2.5	0.25	1.000	08/15/11
Nickel	1,100	2.3	10.00	08/16/11
Zinc	39	1.0	1.000	08/15/11

Type: BLANK Diln Fac: 1.000
Lab ID: QC604233 Analyzed: 08/15/11

Analyte	Result	RL
Cadmium	ND	0.25
Chromium	ND	0.25
Lead	ND	0.25
Nickel	ND	0.25
Zinc	ND	1.0

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

California LUFT Metals

Lab #:	230191	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 3050B
Project#:	5086	Analysis:	EPA 6010B
Matrix:	Soil	Batch#:	177808
Units:	mg/Kg	Prepared:	08/15/11
Diln Fac:	1.000	Analyzed:	08/15/11

Type: BS Lab ID: QC604234

Analyte	Spiked	Result	%REC	Limits
Cadmium	10.00	9.919	99	80-120
Chromium	100.0	96.77	97	80-120
Lead	100.0	96.42	96	80-120
Nickel	25.00	23.76	95	80-120
Zinc	25.00	24.66	99	80-120

Type: BSD Lab ID: QC604235

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Cadmium	10.00	10.01	100	80-120	1	20
Chromium	100.0	97.12	97	80-120	0	20
Lead	100.0	96.88	97	80-120	0	20
Nickel	25.00	23.88	96	80-120	1	20
Zinc	25.00	24.82	99	80-120	1	20

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

California LUFT Metals

Lab #:	230191	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 3050B
Project#:	5086	Analysis:	EPA 6010B
Field ID:	ZZZZZZZZZZ	Batch#:	177808
MSS Lab ID:	230238-001	Sampled:	08/11/11
Matrix:	Soil	Received:	08/12/11
Units:	mg/Kg	Prepared:	08/15/11
Basis:	as received	Analyzed:	08/15/11

Type: MS Lab ID: QC604236

Analyte	MSS Result	Spiked	Result	%REC	Limits	Diln Fac
Cadmium	2.381	9.901	10.06	78	70-120	1.000
Chromium	31.49	99.01	113.7	83	54-127	1.000
Lead	1,046	99.01	1,088	42 NM	54-124	10.00
Nickel	30.21	24.75	50.98	84	37-141	1.000
Zinc	868.8	24.75	952.8	339 NM	32-153	10.00

Type: MSD Lab ID: QC604237

Analyte	Spiked	Result	%REC	Limits	RPD	Lim	Diln Fac
Cadmium	9.259	9.917	81	70-120	4	37	1.000
Chromium	92.59	110.8	86	54-127	2	36	1.000
Lead	92.59	1,198	164 NM	54-124	10	43	10.00
Nickel	23.15	48.52	79	37-141	2	33	1.000
Zinc	23.15	1,060	825 NM	32-153	11	37	10.00

NM= Not Meaningful: Sample concentration > 4X spike concentration
RPD= Relative Percent Difference

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

Laboratory Job Number 230417
ANALYTICAL REPORT

SOMA Environmental Engineering Inc.
6620 Owens Dr.
Pleasanton, CA 94588

Project : 5086
Location : 2844 Mountain Blvd, Oakland
Level : II

Sample ID	Lab ID
P-1	230417-001
T-JUNCTION	230417-002
B-1	230417-003
B-2	230417-004
B-3	230417-005
B-4	230417-006
D-1	230417-007
D-2	230417-008

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

Signature: _____ Date: 08/29/2011
Project Manager

NELAP # 01107CA

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	**230417**
Client:	**SOMA Environmental Engineering Inc.**
Project:	**5086**
Location:	**2844 Mountain Blvd, Oakland**
Request Date:	**08/19/11**
Samples Received:	**08/19/11**

This data package contains sample and QC results for seven soil samples, requested for the above referenced project on 08/19/11. The samples were received cold and intact.

TPH-Purgeables and/or BTXE by GC (EPA 8015B):
High surrogate recovery was observed for bromofluorobenzene (FID) in B-2 (lab # 230417-004). No other analytical problems were encountered.

TPH-Extractables by GC (EPA 8015B):
No analytical problems were encountered.

Alcohols by GC (EPA 8015B):
No analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B):
Low recovery was observed for isopropyl ether (DIPE) in the MS for batch 178225; the parent sample was not a project sample, the LCS was within limits, and the associated RPD was within limits. Low surrogate recovery was observed for 1,2-dichloroethane-d4 in the method blank for batch 178046. Low surrogate recovery was observed for dibromofluoromethane in the method blank for batch 178046. High surrogate recovery was also observed for dibromofluoromethane in the MS for batch 178180; the parent sample was not a project sample. No other analytical problems were encountered.

Metals (EPA 6010B):
High RPD was observed for lead in the MS/MSD for batch 178070; the parent sample was not a project sample, and the RPD was acceptable in the BS/BSD. No other analytical problems were encountered.

CHAIN OF CUSTODY

Curtis & Tompkins, Ltd
Analytical Laboratory Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510)486-0900 Phone
(510)486-0532 Fax

LOGIN # 230417

Project No: 5086

Project Name: 2844 Mountain Blvd., Oakland

Turnaround Time: Standard

Sampler: Erica Fisker

Report To: Joyce Bobek

Company : SOMA Environmental

Telephone: 925-734-6400

Fax: 925-734-6401

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Matrix: Water	Matrix: Waste	# of Containers	Preservative: HCL	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: ICE	Analyses: TPH-g, TPH-d, Method 8015M	Analyses: VOCs, Method 8260B (Full List)	Analyses: Gasoline Oxygenates & Lead Scavengers, Method 8260B	Analyses: Ethanol	Analyses: Methanol	Analyses: LUFT Metals	Analyses: HOLD
1	P-1 HOLD	8/18/11 13:05	*			6-inch sleeve				*	*	*	*	*	*	*	HOLD
2	T-Junction	8/18/11 13:15	*			6-inch sleeve				*	*	*	*	*	*	*	
3	B-1	8/18/11 13:12	*			6-inch sleeve				*	*	*	*	*	*	*	
4	B-2	8/18/11 13:10	*			6-inch sleeve				*	*	*	*	*	*	*	
5	B-3	8/18/11 13:28	*			6-inch sleeve				*	*	*	*	*	*	*	
6	B-4	8/18/11 13:18	*			6-inch sleeve				*	*	*	*	*	*	*	
7	D-1	8/18/11 13:08	*			6-inch sleeve				*	*	*	*	*	*	*	
8	D-2	8/18/11 13:20	*			6-inch sleeve				*	*	*	*	*	*	*	

Notes: **EDF OUTPUT REQUIRED**
Gas Ox: MtBE, DIPE, ETBE, TAME, TBA
Lead Scavengers: 1,2-DCA, EDB

RELINQUISHED BY:		RECEIVED BY:	
[signature]	8-18-11 1650 DATE/TIME	[signature]	8-19-11 8:30 DATE/TIME
[signature]	8-19-11 10:10 DATE/TIME	[signature]	8/19/11 1010 DATE/TIME
	DATE/TIME		DATE/TIME

COOLER RECEIPT CHECKLIST

Curtis & Tompkins, Ltd.

Login # 230417 Date Received 8/19/11 Number of coolers 1
Client SOMA Project 5086 2944 MOUNTAIN BLVD OAKLAND

Date Opened 8/19/11 By (print) ISABELLE (sign)
Date Logged in ↓ By (print) ↓ (sign) ↓

1. Did cooler come with a shipping slip (airbill, etc) YES (NO)
Shipping info

2A. Were custody seals present? .... ☐ YES (circle) on cooler on samples ☒ NO
How many Name Date
2B. Were custody seals intact upon arrival? YES NO (N/A)
3. Were custody papers dry and intact when received? (YES) NO
4. Were custody papers filled out properly (ink, signed, etc)? (YES) NO
5. Is the project identifiable from custody papers? (If so fill out top of form) (YES) NO
6. Indicate the packing in cooler: (if other, describe)

☐ Bubble Wrap ☐ Foam blocks ☒ Bags ☐ None
☐ Cloth material ☐ Cardboard ☐ Styrofoam ☐ Paper towels

7. Temperature documentation: * Notify PM if temperature exceeds 6°C

Type of ice used: ☒ Wet ☐ Blue/Gel ☒ None Temp(°C)

☒ Samples Received on ice & cold without a temperature blank

☐ Samples received on ice directly from the field. Cooling process had begun

8. Were Method 5035 sampling containers present? YES (NO)
If YES, what time were they transferred to freezer?
9. Did all bottles arrive unbroken/unopened? (YES) NO
10. Are samples in the appropriate containers for indicated tests? (YES) NO
11. Are sample labels present, in good condition and complete? (YES) NO
12. Do the sample labels agree with custody papers? (YES) NO
13. Was sufficient amount of sample sent for tests requested? (YES) NO
14. Are the samples appropriately preserved? YES NO (N/A)
15. Did you check preservatives for all bottles for each sample? YES NO (N/A)
16. Did you document your preservative check? YES NO (N/A)
17. Did you change the hold time in LIMS for unpreserved VOAs? YES NO (N/A)
18. Are bubbles > 6mm absent in VOA samples? YES NO (N/A)
19. Was the client contacted concerning this sample delivery? YES (NO)
If YES, Who was called? By Date:

COMMENTS

Rev 8, 6/11

Curtis & Tompkins, Ltd.

Total Volatile Hydrocarbons

Lab #:	230417	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	5086	Analysis:	EPA 8015B
Matrix:	Soil	Batch#:	178118
Units:	mg/Kg	Sampled:	08/18/11
Basis:	as received	Received:	08/19/11
Diln Fac:	1.000		

Field ID: T-JUNCTION — Lab ID: 230417-002
Type: SAMPLE — Analyzed: 08/22/11

Analyte	Result	RL
Gasoline C7-C12	ND	0.99

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	92	74-132

Field ID: B-1 — Lab ID: 230417-003
Type: SAMPLE — Analyzed: 08/22/11

Analyte	Result	RL
Gasoline C7-C12	ND	0.91

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	89	74-132

Field ID: B-2 — Lab ID: 230417-004
Type: SAMPLE — Analyzed: 08/23/11

Analyte	Result	RL
Gasoline C7-C12	29 Y	0.95

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	144 *	74-132

Field ID: B-3 — Lab ID: 230417-005
Type: SAMPLE — Analyzed: 08/23/11

Analyte	Result	RL
Gasoline C7-C12	ND	1.1

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	88	74-132

Field ID: B-4 — Lab ID: 230417-006
Type: SAMPLE — Analyzed: 08/23/11

Analyte	Result	RL
Gasoline C7-C12	ND	0.92

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	82	74-132

*= Value outside of QC limits; see narrative
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Total Volatile Hydrocarbons

Lab #:	230417	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	5086	Analysis:	EPA 8015B
Matrix:	Soil	Batch#:	178118
Units:	mg/Kg	Sampled:	08/18/11
Basis:	as received	Received:	08/19/11
Diln Fac:	1.000		

Field ID:	D-1	Lab ID:	230417-007
Type:	SAMPLE	Analyzed:	08/23/11

Analyte	Result	RL
Gasoline C7-C12	1.5	1.1

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	88	74-132

Field ID:	D-2	Lab ID:	230417-008
Type:	SAMPLE	Analyzed:	08/23/11

Analyte	Result	RL
Gasoline C7-C12	1.4 Y	1.0

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	90	74-132

Type:	BLANK	Analyzed:	08/22/11
Lab ID:	QC605493		

Analyte	Result	RL
Gasoline C7-C12	ND	1.0

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	81	74-132

*= Value outside of QC limits; see narrative
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	230417	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	5086	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC605490	Batch#:	178118
Matrix:	Soil	Analyzed:	08/22/11
Units:	mg/Kg		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	1.000	0.8577	86	80-120

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	84	74-132

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	230417	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	5086	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Diln Fac:	1.000
MSS Lab ID:	230401-006	Batch#:	178118
Matrix:	Soil	Sampled:	08/18/11
Units:	mg/Kg	Received:	08/18/11
Basis:	as received	Analyzed:	08/23/11

Type: MS Lab ID: QC605502

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	0.1146	10.75	5.234	48	43-120

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	91	74-132

Type: MSD Lab ID: QC605503

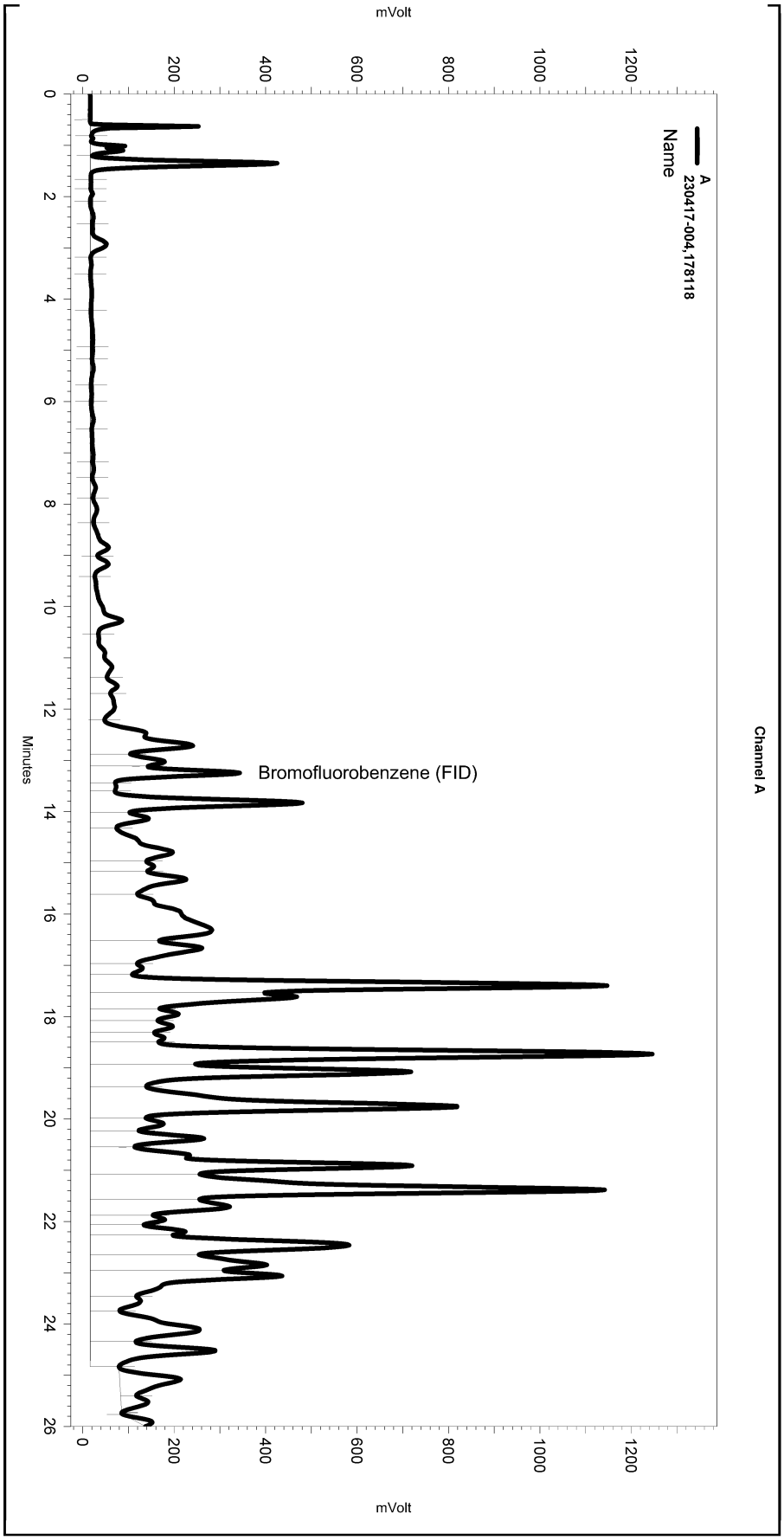
Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	10.87	6.012	54	43-120	13	34

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	85	74-132

RPD= Relative Percent Difference

Sequence File: **\\Lims\gdrive\ezchrom\Projects\GC05\Sequence\234.seq**
Sample Name: **230417-004,178118**
Data File: **\\Lims\gdrive\ezchrom\Projects\GC05\Data\234-014**
Instrument: GC05 (Offline) Vial: N/A Operator: Tvh 1. Analyst (lims2k3\tvh1)
Method Name: \\Lims\gdrive\ezchrom\Projects\GC05\Method\tvhbtxe214.met

Software Version 3.1.7
Run Date: 8/23/2011 12:22:27 AM
Analysis Date: 8/23/2011 11:50:52 AM
Sample Amount: 1.05 Multiplier: 1.05
Vial & pH or Core ID: b



---< General Method Parameters >---

No items selected for this section

---< A >---

No items selected for this section

Integration Events

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Width	0	0	0.2
Yes	Threshold	0	0	50

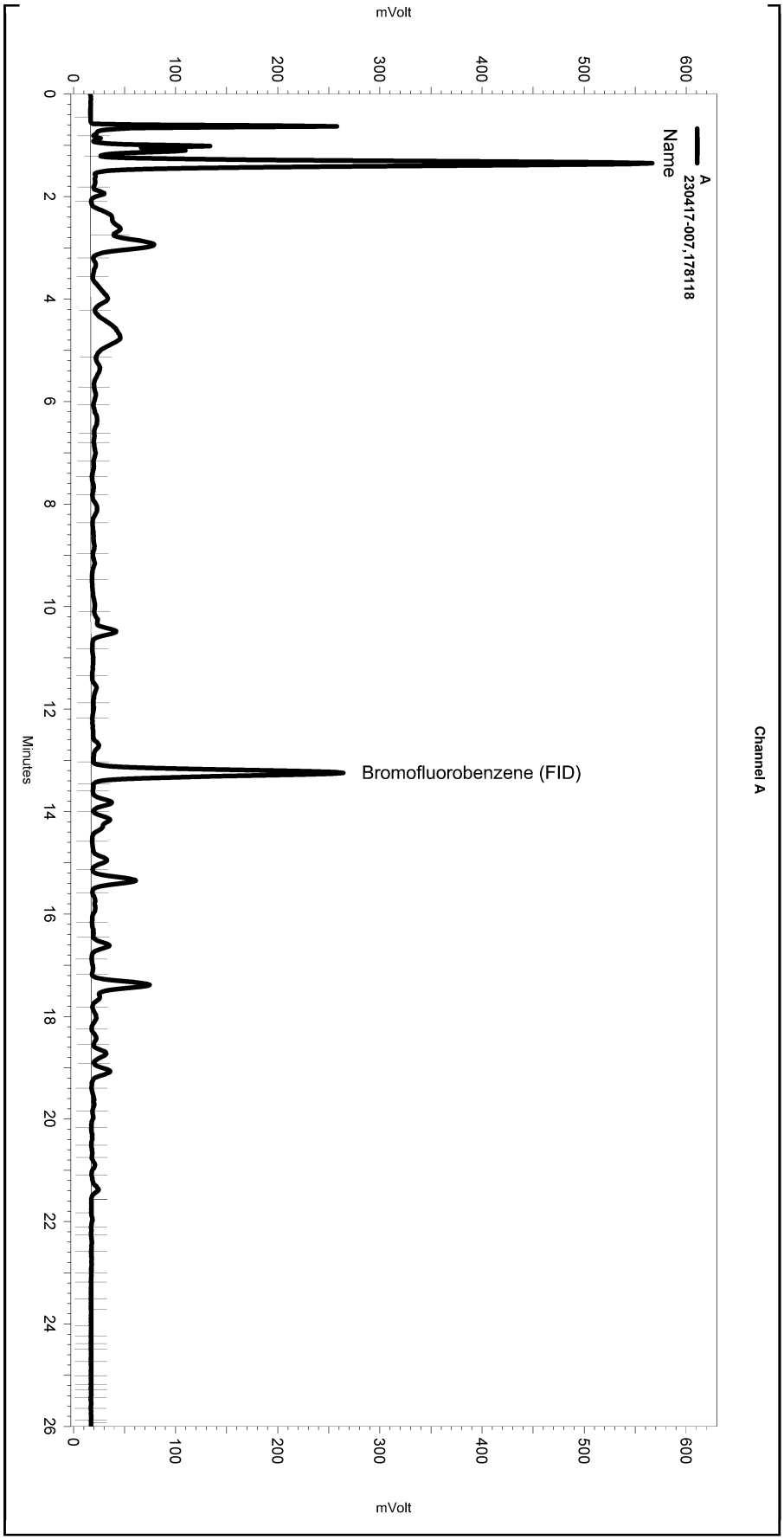
Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC05\Data\234-014

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Lowest Point Horizontal Baseli	0.044	25.085	0

Sequence File: **\\Lims\gdrive\ezchrom\Projects\GC05\Sequence\234.seq**
Sample Name: **230417-007,178118**
Data File: **\\Lims\gdrive\ezchrom\Projects\GC05\Data\234-020**
Instrument: GC05 (Offline) Vial: N/A Operator: Tvh 1. Analyst (lims2k3\tvh1)
Method Name: \\Lims\gdrive\ezchrom\Projects\GC05\Method\tvhbtxe214.met

Software Version 3.1.7
Run Date: 8/23/2011 4:01:58 AM
Analysis Date: 8/23/2011 12:02:45 PM
Sample Amount: 0.93 Multiplier: 0.93
Vial & pH or Core ID: b



---< General Method Parameters >---

No items selected for this section

---< A >---

No items selected for this section

Integration Events

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Width	0	0	0.2
Yes	Threshold	0	0	50

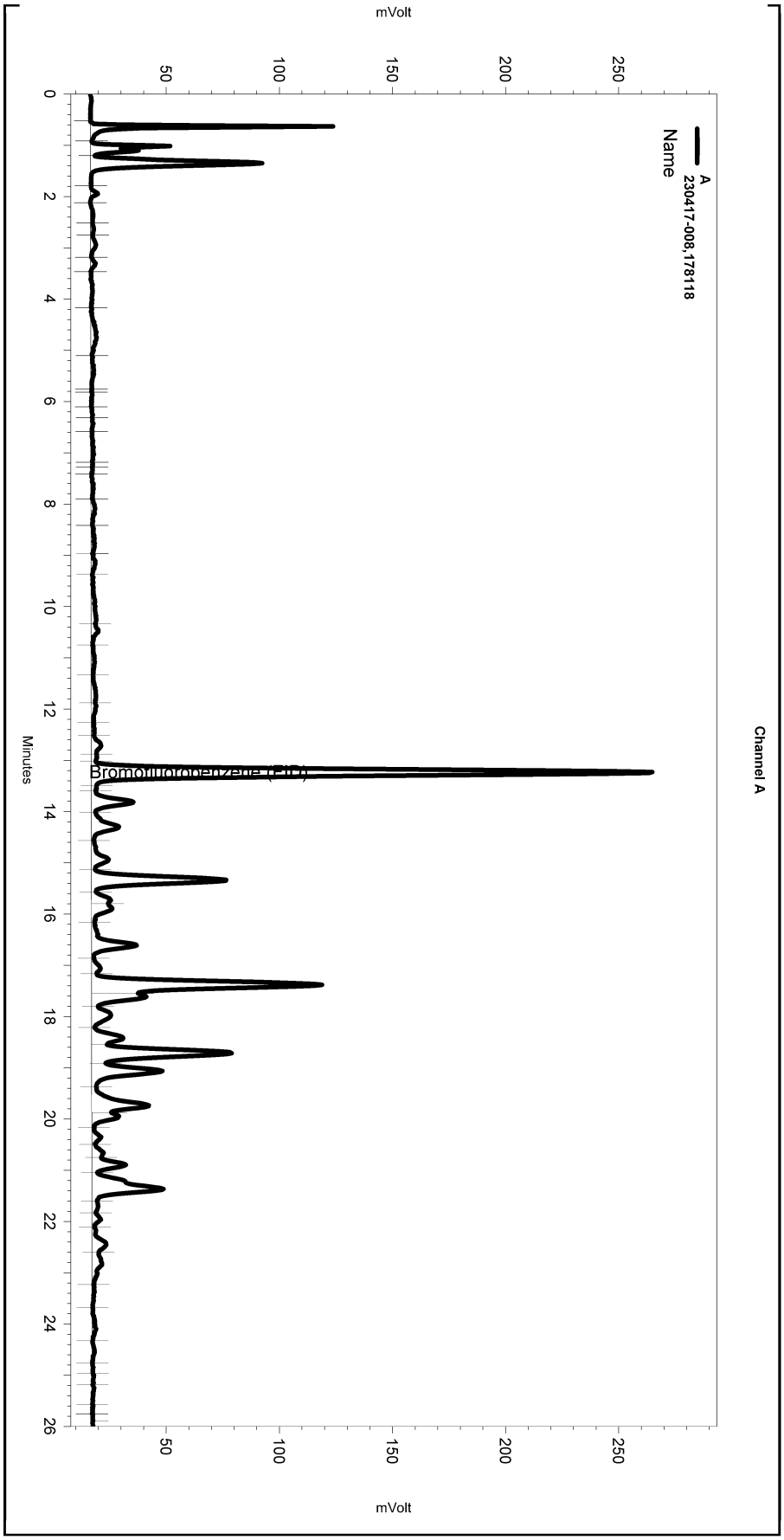
Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC05\Data\234-020

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Split Peak	13.474	0	0

Sequence File: **\\Lims\gdrive\ezchrom\Projects\GC05\Sequence\234.seq**
Sample Name: **230417-008,178118**
Data File: **\\Lims\gdrive\ezchrom\Projects\GC05\Data\234-021**
Instrument: GC05 (Offline) Vial: N/A Operator: Tvh 1. Analyst (lims2k3\tvh1)
Method Name: \\Lims\gdrive\ezchrom\Projects\GC05\Method\tvhbtxe214.met

Software Version 3.1.7
Run Date: 8/23/2011 4:38:33 AM
Analysis Date: 8/23/2011 12:03:44 PM
Sample Amount: 0.98 Multiplier: 0.98
Vial & pH or Core ID: b



---< General Method Parameters >---

No items selected for this section

---< A >---

No items selected for this section

Integration Events

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Width	0	0	0.2
Yes	Threshold	0	0	50

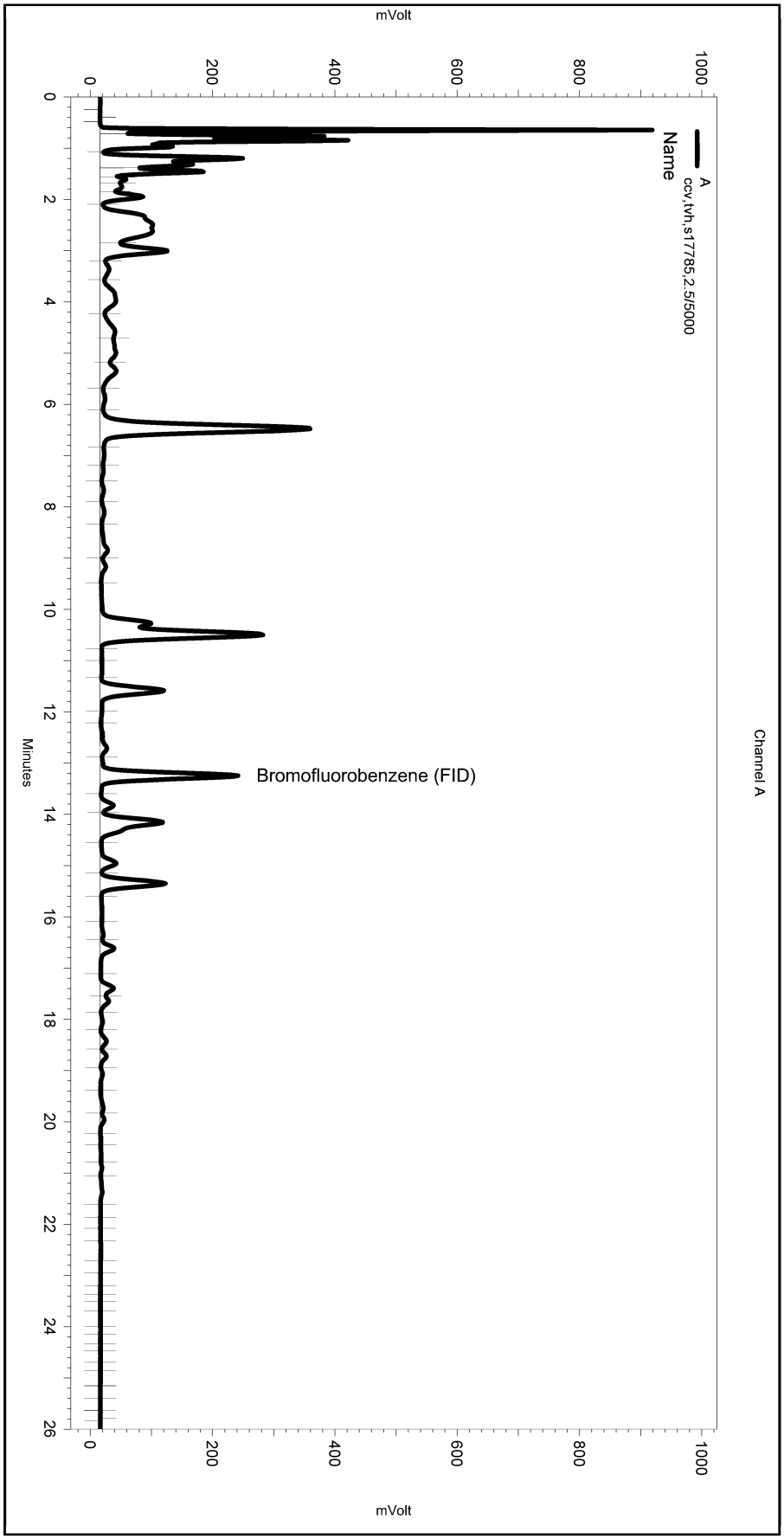
Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC05\Data\234-021

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Split Peak	13.499	0	0

Sequence File: **\\Lims\gdrive\ezchrom\Projects\GC05\Sequence\234.seq**
Sample Name: **ccv,tvh,s17785,2.5/5000**
Data File: **\\Lims\gdrive\ezchrom\Projects\GC05\Data\234-003**
Instrument: GC05 Vial: N/A Operator: lims2k3\tvh3
Method Name: \\Lims\gdrive\ezchrom\Projects\GC05\Method\tvhbtxe214.met

Software Version 3.1.7
Run Date: 8/22/2011 12:14:47 PM
Analysis Date: 8/22/2011 12:43:31 PM
Sample Amount: 5 Multiplier: 5
Vial & pH or Core ID: {Data Description}



---< General Method Parameters >---

No items selected for this section

---< A >---

No items selected for this section

Integration Events

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Width	0	0	0.2
Yes	Threshold	0	0	50

Manual Integration Fixes

Data File: C:\Documents and Settings\All Users\Application Data\ChromatographySystem\Recovery Data\Instrument.10048\234-003_0304.tmp

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value

None

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	230417	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 3550B
Project#:	5086	Analysis:	EPA 8015B
Matrix:	Soil	Batch#:	178050
Units:	mg/Kg	Sampled:	08/18/11
Basis:	as received	Received:	08/19/11
Diln Fac:	1.000	Prepared:	08/19/11

Field ID: T-JUNCTION
Type: SAMPLE
Lab ID: 230417-002
Analyzed: 08/22/11

Analyte	Result	RL
Diesel C10-C24	11 Y	1.0

Surrogate	%REC	Limits
o-Terphenyl	93	62-120

Field ID: B-1
Type: SAMPLE
Lab ID: 230417-003
Analyzed: 08/22/11

Analyte	Result	RL
Diesel C10-C24	1.4 Y	1.0

Surrogate	%REC	Limits
o-Terphenyl	101	62-120

Field ID: B-2
Type: SAMPLE
Lab ID: 230417-004
Analyzed: 08/22/11

Analyte	Result	RL
Diesel C10-C24	160	1.0

Surrogate	%REC	Limits
o-Terphenyl	91	62-120

Field ID: B-3
Type: SAMPLE
Lab ID: 230417-005
Analyzed: 08/22/11

Analyte	Result	RL
Diesel C10-C24	25 Y	1.0

Surrogate	%REC	Limits
o-Terphenyl	91	62-120

Field ID: B-4
Type: SAMPLE
Lab ID: 230417-006
Analyzed: 08/21/11

Analyte	Result	RL
Diesel C10-C24	18 Y	1.0

Surrogate	%REC	Limits
o-Terphenyl	102	62-120

Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	230417	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 3550B
Project#:	5086	Analysis:	EPA 8015B
Matrix:	Soil	Batch#:	178050
Units:	mg/Kg	Sampled:	08/18/11
Basis:	as received	Received:	08/19/11
Diln Fac:	1.000	Prepared:	08/19/11

Field ID: D-1 Lab ID: 230417-007
Type: SAMPLE Analyzed: 08/21/11

Analyte	Result	RL
Diesel C10-C24	4.0 Y	0.99

Surrogate	%REC	Limits
o-Terphenyl	105	62-120

Field ID: D-2 Lab ID: 230417-008
Type: SAMPLE Analyzed: 08/21/11

Analyte	Result	RL
Diesel C10-C24	2.7 Y	1.0

Surrogate	%REC	Limits
o-Terphenyl	96	62-120

Type: BLANK Analyzed: 08/22/11
Lab ID: QC605239

Analyte	Result	RL
Diesel C10-C24	ND	1.0

Surrogate	%REC	Limits
o-Terphenyl	93	62-120

Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	230417	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 3550B
Project#:	5086	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC605240	Batch#:	178050
Matrix:	Soil	Prepared:	08/19/11
Units:	mg/Kg	Analyzed:	08/21/11

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	49.69	58.78	118	54-138

Surrogate	%REC	Limits
o-Terphenyl	107	62-120

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	230417	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 3550B
Project#:	5086	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Diln Fac:	1.000
MSS Lab ID:	230373-042	Batch#:	178050
Matrix:	Soil	Sampled:	08/17/11
Units:	mg/Kg	Received:	08/18/11
Basis:	as received	Prepared:	08/19/11

Type: MS Analyzed: 08/21/11
Lab ID: QC605241

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	0.8193	49.83	53.31	105	35-150

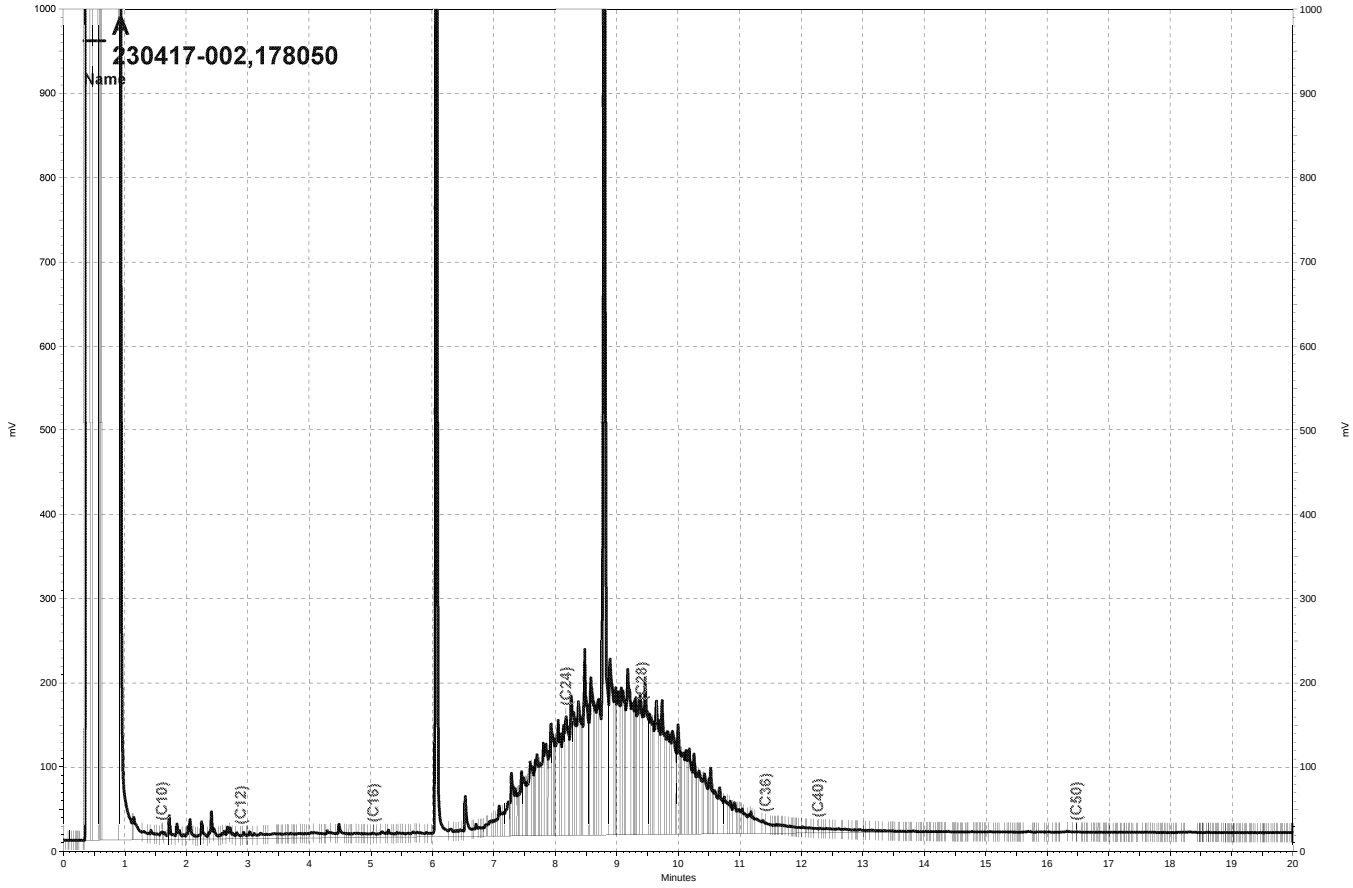
Surrogate	%REC	Limits
o-Terphenyl	96	62-120

Type: MSD Analyzed: 08/22/11
Lab ID: QC605242

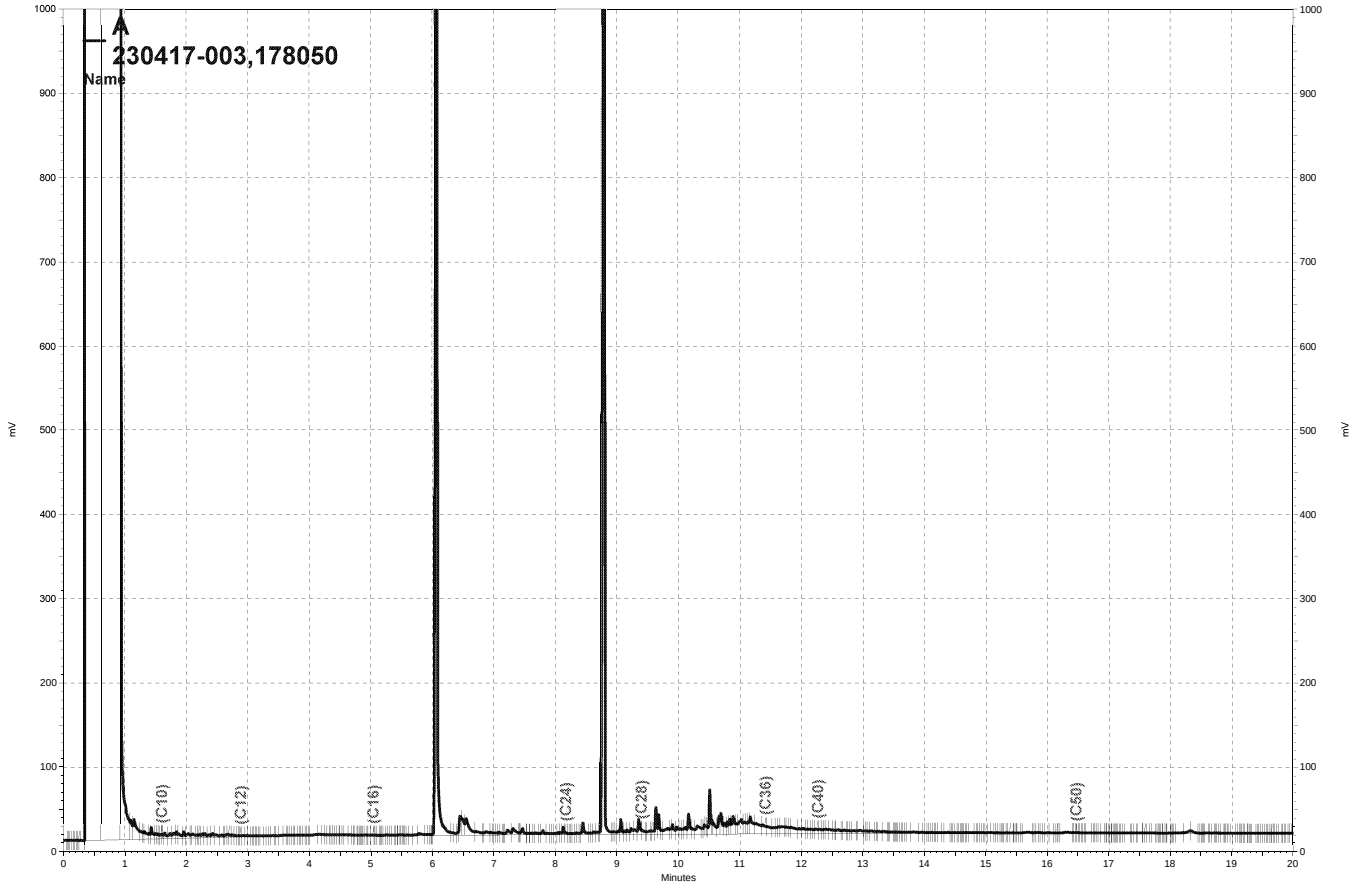
Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	50.39	52.92	103	35-150	2	71

Surrogate	%REC	Limits
o-Terphenyl	97	62-120

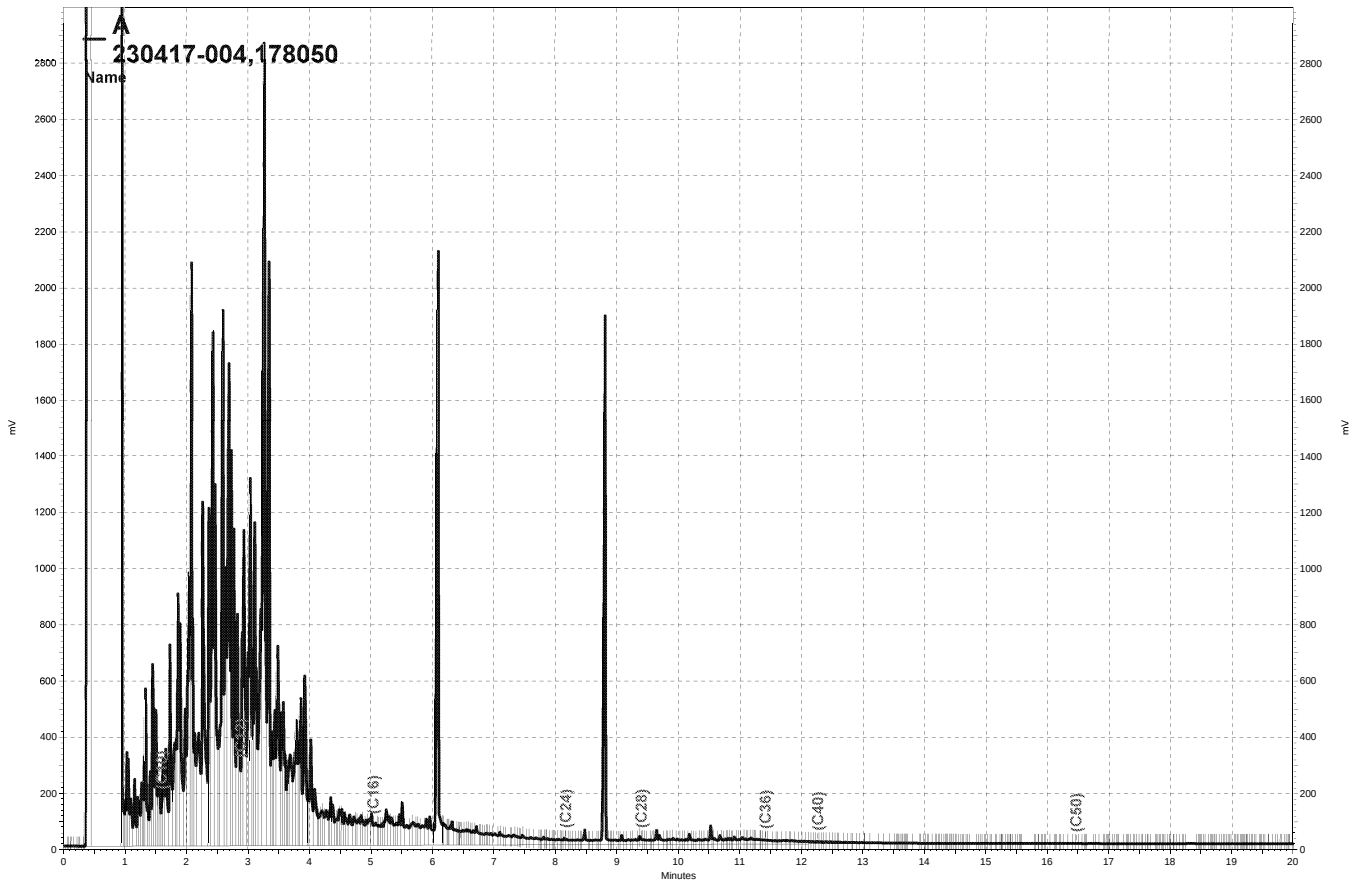
RPD= Relative Percent Difference



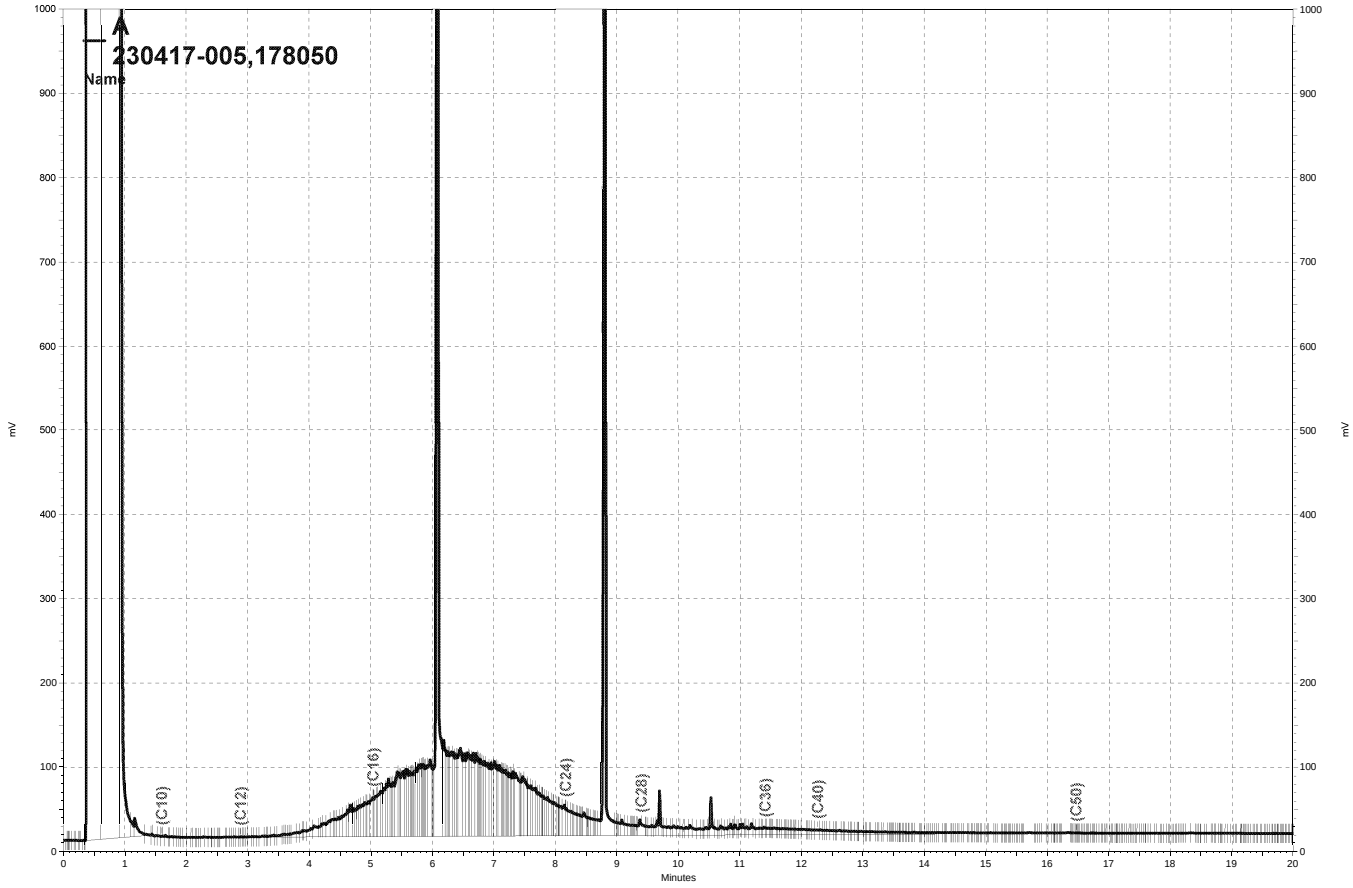
\\Lims\gdrive\ezchrom\Projects\GC17A\Data\233a034, A



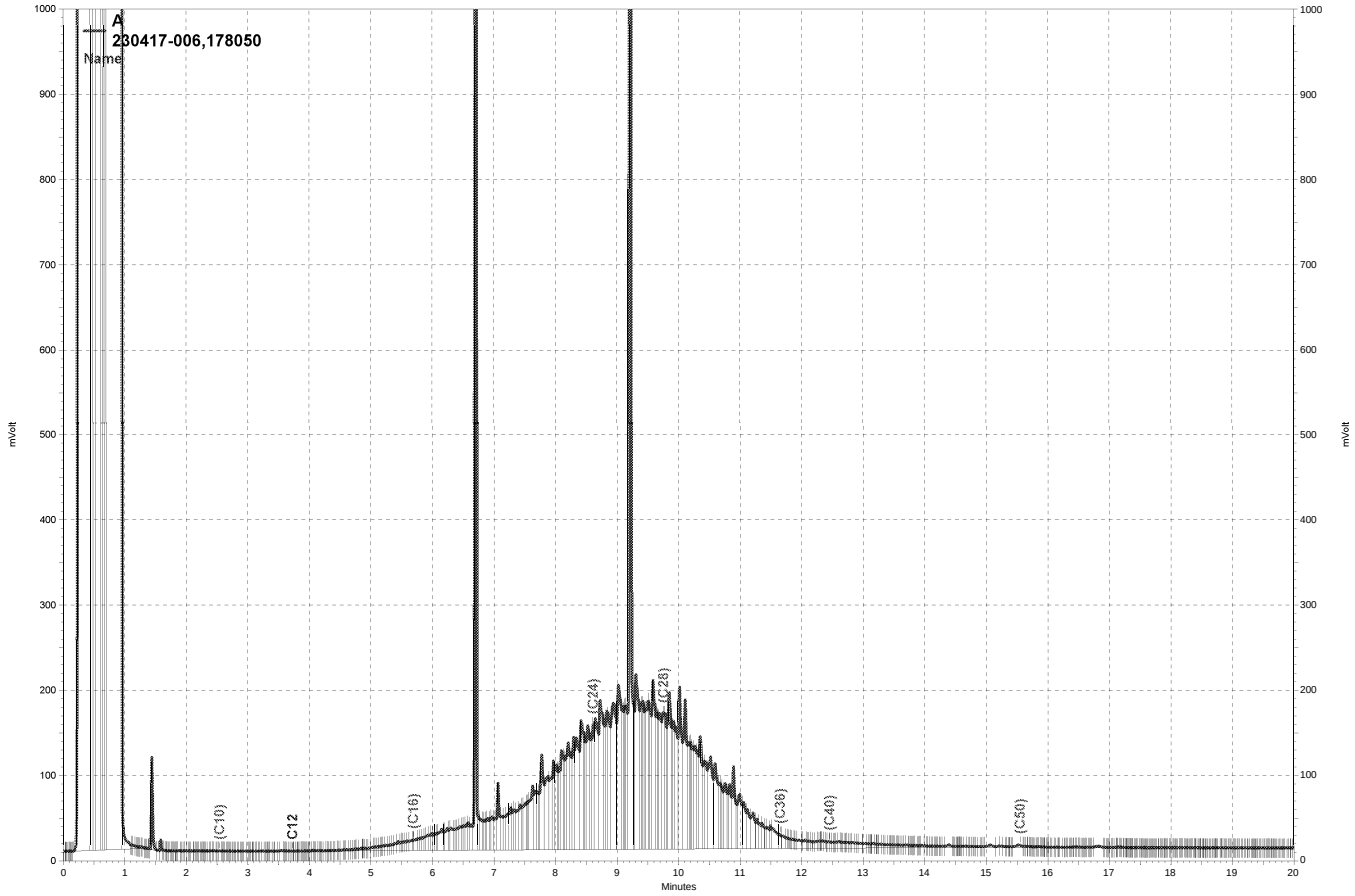
\\Lims\gdrive\ezchrom\Projects\GC17A\Data\233a035, A



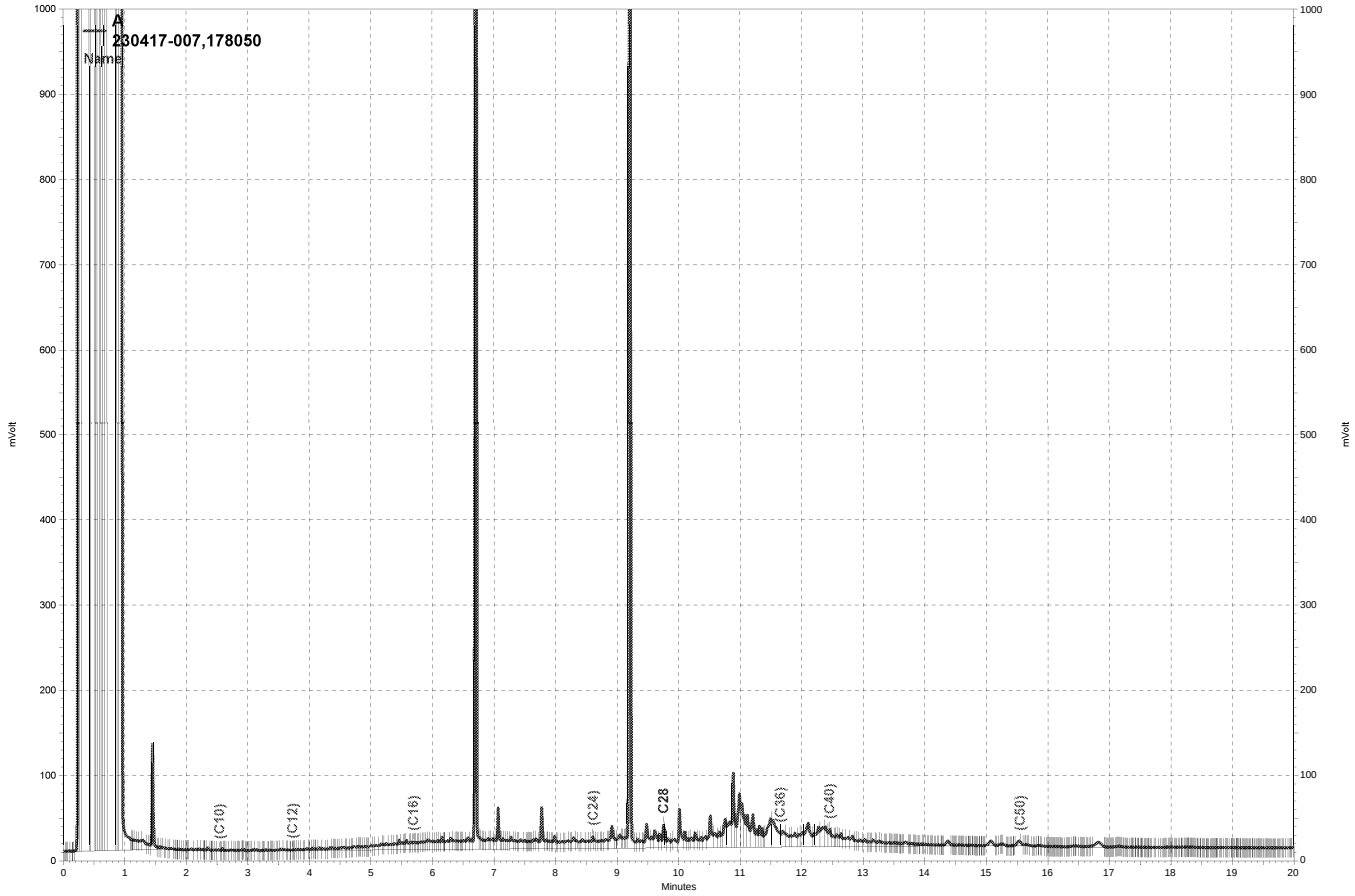
\\Lims\gdrive\ezchrom\Projects\GC17A\Data\233a036, A



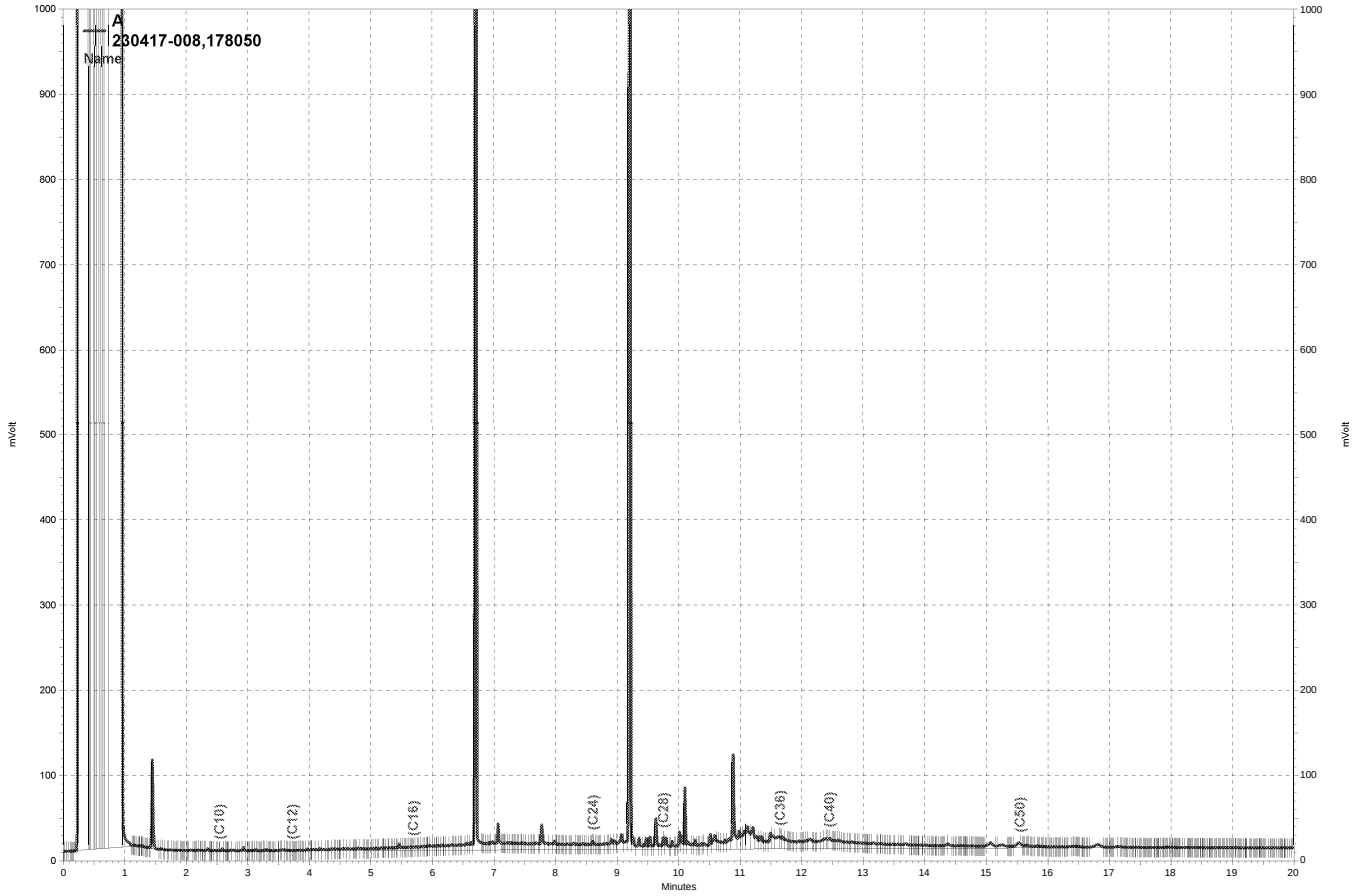
\\Lims\gdrive\ezchrom\Projects\GC17A\Data\233a037, A



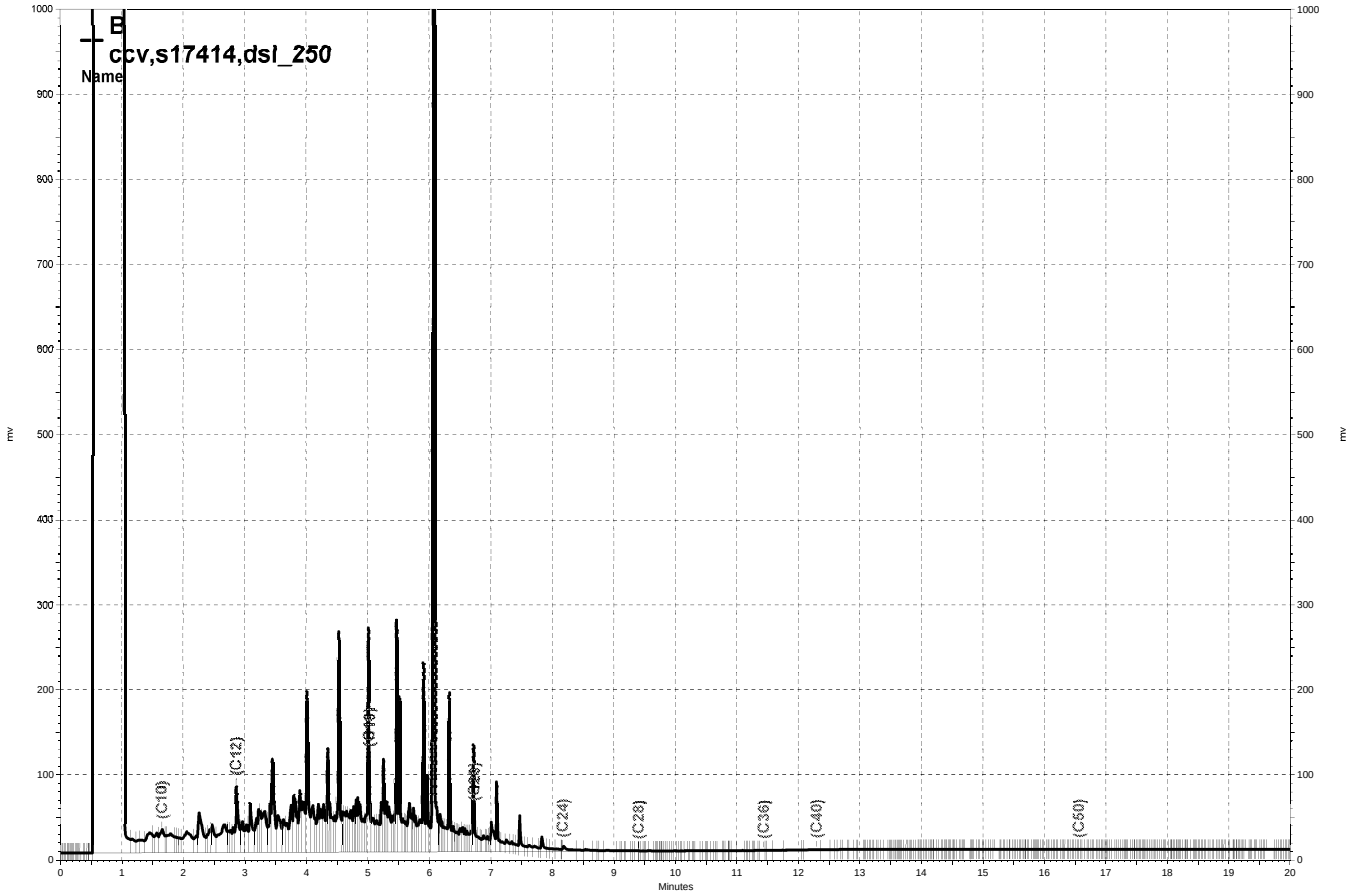
\\Lims\gdrive\ezchrom\Projects\GC26\Data\233a015, A



\\Lims\gdrive\ezchrom\Projects\GC26\Data\233a016, A



\\Lims\gdrive\ezchrom\Projects\GC26\Data\233a017, A



\\Lims\gdrive\ezchrom\Projects\GC15B\Data\234b005, B

Curtis & Tompkins, Ltd.

Alcohols by GC-FID

Lab #:	230417	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Analysis:	EPA 8015B
Project#:	5086		
Matrix:	Soil	Batch#:	178103
Units:	mg/Kg	Sampled:	08/18/11
Basis:	as received	Received:	08/19/11

Field ID:	T-JUNCTION	Diln Fac:	0.9800
Type:	SAMPLE	Analyzed:	08/22/11
Lab ID:	230417-002		

Analyte	Result	RL
Methanol	ND	0.98
Ethanol	ND	0.98

Surrogate	%REC	Limits
1-Pentanol	71	60-140

Field ID:	B-1	Diln Fac:	1.000
Type:	SAMPLE	Analyzed:	08/23/11
Lab ID:	230417-003		

Analyte	Result	RL
Methanol	ND	1.0
Ethanol	ND	1.0

Surrogate	%REC	Limits
1-Pentanol	60	60-140

Field ID:	B-2	Diln Fac:	1.000
Type:	SAMPLE	Analyzed:	08/23/11
Lab ID:	230417-004		

Analyte	Result	RL
Methanol	ND	1.0
Ethanol	1.4	1.0

Surrogate	%REC	Limits
1-Pentanol	66	60-140

Field ID:	B-3	Diln Fac:	0.9900
Type:	SAMPLE	Analyzed:	08/23/11
Lab ID:	230417-005		

Analyte	Result	RL
Methanol	ND	0.99
Ethanol	ND	0.99

Surrogate	%REC	Limits
1-Pentanol	66	60-140

C= Presence confirmed, but RPD between columns exceeds 40%
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Alcohols by GC-FID

Lab #:	230417	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Analysis:	EPA 8015B
Project#:	5086		
Matrix:	Soil	Batch#:	178103
Units:	mg/Kg	Sampled:	08/18/11
Basis:	as received	Received:	08/19/11

Field ID: B-4 Diln Fac: 0.9800
Type: SAMPLE Analyzed: 08/23/11
Lab ID: 230417-006

Analyte	Result	RL
Methanol	ND	0.98
Ethanol	ND	0.98

Surrogate	%REC	Limits
1-Pentanol	70	60-140

Field ID: D-1 Diln Fac: 0.9800
Type: SAMPLE Analyzed: 08/23/11
Lab ID: 230417-007

Analyte	Result	RL
Methanol	1.4 C	0.98
Ethanol	ND	0.98

Surrogate	%REC	Limits
1-Pentanol	70	60-140

Field ID: D-2 Diln Fac: 0.9900
Type: SAMPLE Analyzed: 08/23/11
Lab ID: 230417-008

Analyte	Result	RL
Methanol	ND	0.99
Ethanol	ND	0.99

Surrogate	%REC	Limits
1-Pentanol	67	60-140

Type: BLANK Diln Fac: 0.9900
Lab ID: QC605425 Analyzed: 08/22/11

Analyte	Result	RL
Methanol	ND	0.99
Ethanol	ND	0.99

Surrogate	%REC	Limits
1-Pentanol	91	70-130

C= Presence confirmed, but RPD between columns exceeds 40%
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Alcohols by GC-FID

Lab #:	230417	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Analysis:	EPA 8015B
Project#:	5086		
Type:	LCS	Diln Fac:	0.9800
Lab ID:	QC605426	Batch#:	178103
Matrix:	Soil	Analyzed:	08/22/11
Units:	mg/Kg		

Analyte	Spiked	Result	%REC	Limits
Methanol	49.00	45.17	92	70-130
Ethanol	49.00	46.32	95	70-130

Surrogate	%REC	Limits
1-Pentanol	85	70-130

Curtis & Tompkins, Ltd.

Batch QC Report

Alcohols by GC-FID

Lab #:	230417	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Analysis:	EPA 8015B
Project#:	5086		
Field ID:	T-JUNCTION	Batch#:	178103
MSS Lab ID:	230417-002	Sampled:	08/18/11
Matrix:	Soil	Received:	08/19/11
Units:	mg/Kg	Analyzed:	08/22/11
Basis:	as received		

Type: MS Diln Fac: 0.9900
Lab ID: QC605427

Analyte	MSS Result	Spiked	Result	%REC	Limits
Methanol	<0.2034	49.50	52.89	107	60-140
Ethanol	<0.3131	49.50	39.03	79	60-140

Surrogate	%REC	Limits
1-Pentanol	71	60-140

Type: MSD Diln Fac: 1.000
Lab ID: QC605428

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Methanol	50.00	52.27	105	60-140	2	30
Ethanol	50.00	38.64	77	60-140	2	30

Surrogate	%REC	Limits
1-Pentanol	72	60-140

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	230417	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	5086	Analysis:	EPA 8260B
Field ID:	T-JUNCTION	Basis:	as received
Lab ID:	230417-002	Sampled:	08/18/11
Matrix:	Soil	Received:	08/19/11
Units:	ug/Kg		

Analyte	Result	RL	Diln Fac	Batch#	Analyzed
Freon 12	ND	9.5	0.9488	178140	08/23/11
tert-Butyl Alcohol (TBA)	820	95	0.9488	178140	08/23/11
Chloromethane	ND	9.5	0.9488	178140	08/23/11
Isopropyl Ether (DIPE)	ND	4.7	0.9488	178140	08/23/11
Vinyl Chloride	ND	9.5	0.9488	178140	08/23/11
Bromomethane	ND	9.5	0.9488	178140	08/23/11
Ethyl tert-Butyl Ether (ETBE)	ND	4.7	0.9488	178140	08/23/11
Chloroethane	ND	9.5	0.9488	178140	08/23/11
Methyl tert-Amyl Ether (TAME)	31	4.7	0.9488	178140	08/23/11
Trichlorofluoromethane	ND	4.7	0.9488	178140	08/23/11
Ethanol	ND	950	0.9488	178140	08/23/11
Acetone	87	19	0.9488	178140	08/23/11
Freon 113	ND	4.7	0.9488	178140	08/23/11
1,1-Dichloroethene	ND	4.7	0.9488	178140	08/23/11
Methylene Chloride	ND	19	0.9488	178140	08/23/11
Carbon Disulfide	ND	4.7	0.9488	178140	08/23/11
MTBE	500	25	5.000	178180	08/24/11
trans-1,2-Dichloroethene	ND	4.7	0.9488	178140	08/23/11
Vinyl Acetate	ND	47	0.9488	178140	08/23/11
1,1-Dichloroethane	ND	4.7	0.9488	178140	08/23/11
2-Butanone	ND	9.5	0.9488	178140	08/23/11
cis-1,2-Dichloroethene	ND	4.7	0.9488	178140	08/23/11
2,2-Dichloropropane	ND	4.7	0.9488	178140	08/23/11
Chloroform	ND	4.7	0.9488	178140	08/23/11
Bromochloromethane	ND	4.7	0.9488	178140	08/23/11
1,1,1-Trichloroethane	ND	4.7	0.9488	178140	08/23/11
1,1-Dichloropropene	ND	4.7	0.9488	178140	08/23/11
Carbon Tetrachloride	ND	4.7	0.9488	178140	08/23/11
1,2-Dichloroethane	ND	4.7	0.9488	178140	08/23/11
Benzene	ND	4.7	0.9488	178140	08/23/11
Trichloroethene	ND	4.7	0.9488	178140	08/23/11
1,2-Dichloropropane	ND	4.7	0.9488	178140	08/23/11
Bromodichloromethane	ND	4.7	0.9488	178140	08/23/11
Dibromomethane	ND	4.7	0.9488	178140	08/23/11
4-Methyl-2-Pentanone	ND	9.5	0.9488	178140	08/23/11
cis-1,3-Dichloropropene	ND	4.7	0.9488	178140	08/23/11
Toluene	ND	4.7	0.9488	178140	08/23/11
trans-1,3-Dichloropropene	ND	4.7	0.9488	178140	08/23/11
1,1,2-Trichloroethane	ND	4.7	0.9488	178140	08/23/11
2-Hexanone	ND	9.5	0.9488	178140	08/23/11
1,3-Dichloropropane	ND	4.7	0.9488	178140	08/23/11
Tetrachloroethene	ND	4.7	0.9488	178140	08/23/11
Dibromochloromethane	ND	4.7	0.9488	178140	08/23/11
1,2-Dibromoethane	ND	4.7	0.9488	178140	08/23/11
Chlorobenzene	ND	4.7	0.9488	178140	08/23/11
1,1,1,2-Tetrachloroethane	ND	4.7	0.9488	178140	08/23/11
Ethylbenzene	ND	4.7	0.9488	178140	08/23/11
m,p-Xylenes	ND	4.7	0.9488	178140	08/23/11
o-Xylene	ND	4.7	0.9488	178140	08/23/11
Styrene	ND	4.7	0.9488	178140	08/23/11
Bromoform	ND	4.7	0.9488	178140	08/23/11
Isopropylbenzene	ND	4.7	0.9488	178140	08/23/11
1,1,2,2-Tetrachloroethane	ND	4.7	0.9488	178140	08/23/11
1,2,3-Trichloropropane	ND	4.7	0.9488	178140	08/23/11
Propylbenzene	ND	4.7	0.9488	178140	08/23/11

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	230417	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	5086	Analysis:	EPA 8260B
Field ID:	T-JUNCTION	Basis:	as received
Lab ID:	230417-002	Sampled:	08/18/11
Matrix:	Soil	Received:	08/19/11
Units:	ug/Kg		

Analyte	Result	RL	Diln Fac	Batch#	Analyzed
Bromobenzene	ND	4.7	0.9488	178140	08/23/11
1,3,5-Trimethylbenzene	ND	4.7	0.9488	178140	08/23/11
2-Chlorotoluene	ND	4.7	0.9488	178140	08/23/11
4-Chlorotoluene	ND	4.7	0.9488	178140	08/23/11
tert-Butylbenzene	ND	4.7	0.9488	178140	08/23/11
1,2,4-Trimethylbenzene	ND	4.7	0.9488	178140	08/23/11
sec-Butylbenzene	ND	4.7	0.9488	178140	08/23/11
para-Isopropyl Toluene	ND	4.7	0.9488	178140	08/23/11
1,3-Dichlorobenzene	ND	4.7	0.9488	178140	08/23/11
1,4-Dichlorobenzene	ND	4.7	0.9488	178140	08/23/11
n-Butylbenzene	ND	4.7	0.9488	178140	08/23/11
1,2-Dichlorobenzene	ND	4.7	0.9488	178140	08/23/11
1,2-Dibromo-3-Chloropropane	ND	4.7	0.9488	178140	08/23/11
1,2,4-Trichlorobenzene	ND	4.7	0.9488	178140	08/23/11
Hexachlorobutadiene	ND	4.7	0.9488	178140	08/23/11
Naphthalene	ND	4.7	0.9488	178140	08/23/11
1,2,3-Trichlorobenzene	ND	4.7	0.9488	178140	08/23/11

Surrogate	%REC	Limits	Diln Fac	Batch#	Analyzed
Dibromofluoromethane	123	71-126	0.9488	178140	08/23/11
1,2-Dichloroethane-d4	90	74-130	0.9488	178140	08/23/11
Toluene-d8	95	80-120	0.9488	178140	08/23/11
Bromofluorobenzene	115	76-131	0.9488	178140	08/23/11

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	230417	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	5086	Analysis:	EPA 8260B
Field ID:	B-1	Diln Fac:	0.9960
Lab ID:	230417-003	Batch#:	178140
Matrix:	Soil	Sampled:	08/18/11
Units:	ug/Kg	Received:	08/19/11
Basis:	as received	Analyzed:	08/23/11

Analyte	Result	RL
Freon 12	ND	10
tert-Butyl Alcohol (TBA)	ND	100
Chloromethane	ND	10
Isopropyl Ether (DIPE)	ND	5.0
Vinyl Chloride	ND	10
Bromomethane	ND	10
Ethyl tert-Butyl Ether (ETBE)	ND	5.0
Chloroethane	ND	10
Methyl tert-Amyl Ether (TAME)	ND	5.0
Trichlorofluoromethane	ND	5.0
Ethanol	ND	1,000
Acetone	25	20
Freon 113	ND	5.0
1,1-Dichloroethene	ND	5.0
Methylene Chloride	ND	20
Carbon Disulfide	ND	5.0
MTBE	13	5.0
trans-1,2-Dichloroethene	ND	5.0
Vinyl Acetate	ND	50
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	5.0
2,2-Dichloropropane	ND	5.0
Chloroform	ND	5.0
Bromochloromethane	ND	5.0
1,1,1-Trichloroethane	ND	5.0
1,1-Dichloropropene	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
Dibromomethane	ND	5.0
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	5.0
Toluene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
2-Hexanone	ND	10
1,3-Dichloropropane	ND	5.0
Tetrachloroethene	ND	5.0
Dibromochloromethane	ND	5.0
1,2-Dibromoethane	ND	5.0
Chlorobenzene	ND	5.0
1,1,1,2-Tetrachloroethane	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
Styrene	ND	5.0
Bromoform	ND	5.0
Isopropylbenzene	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0
1,2,3-Trichloropropane	ND	5.0

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	230417	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	5086	Analysis:	EPA 8260B
Field ID:	B-1	Dil'n Fac:	0.9960
Lab ID:	230417-003	Batch#:	178140
Matrix:	Soil	Sampled:	08/18/11
Units:	ug/Kg	Received:	08/19/11
Basis:	as received	Analyzed:	08/23/11

Analyte	Result	RL
Propylbenzene	ND	5.0
Bromobenzene	ND	5.0
1,3,5-Trimethylbenzene	ND	5.0
2-Chlorotoluene	ND	5.0
4-Chlorotoluene	ND	5.0
tert-Butylbenzene	ND	5.0
1,2,4-Trimethylbenzene	ND	5.0
sec-Butylbenzene	ND	5.0
para-Isopropyl Toluene	ND	5.0
1,3-Dichlorobenzene	ND	5.0
1,4-Dichlorobenzene	ND	5.0
n-Butylbenzene	ND	5.0
1,2-Dichlorobenzene	ND	5.0
1,2-Dibromo-3-Chloropropane	ND	5.0
1,2,4-Trichlorobenzene	ND	5.0
Hexachlorobutadiene	ND	5.0
Naphthalene	ND	5.0
1,2,3-Trichlorobenzene	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	120	71-126
1,2-Dichloroethane-d4	86	74-130
Toluene-d8	97	80-120
Bromofluorobenzene	121	76-131

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	230417	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	5086	Analysis:	EPA 8260B
Field ID:	B-2	Diln Fac:	6.667
Lab ID:	230417-004	Batch#:	178225
Matrix:	Soil	Sampled:	08/18/11
Units:	ug/Kg	Received:	08/19/11
Basis:	as received	Analyzed:	08/25/11

Analyte	Result	RL
Freon 12	ND	67
tert-Butyl Alcohol (TBA)	1,600	670
Chloromethane	ND	67
Isopropyl Ether (DIPE)	ND	33
Vinyl Chloride	ND	67
Bromomethane	ND	67
Ethyl tert-Butyl Ether (ETBE)	ND	33
Chloroethane	ND	67
Methyl tert-Amyl Ether (TAME)	44	33
Trichlorofluoromethane	ND	33
Ethanol	ND	6,700
Acetone	320	130
Freon 113	ND	33
1,1-Dichloroethene	ND	33
Methylene Chloride	ND	130
Carbon Disulfide	ND	33
MTBE	410	33
trans-1,2-Dichloroethene	ND	33
Vinyl Acetate	ND	330
1,1-Dichloroethane	ND	33
2-Butanone	ND	67
cis-1,2-Dichloroethene	ND	33
2,2-Dichloropropane	ND	33
Chloroform	ND	33
Bromochloromethane	ND	33
1,1,1-Trichloroethane	ND	33
1,1-Dichloropropene	ND	33
Carbon Tetrachloride	ND	33
1,2-Dichloroethane	ND	33
Benzene	ND	33
Trichloroethene	ND	33
1,2-Dichloropropane	ND	33
Bromodichloromethane	ND	33
Dibromomethane	ND	33
4-Methyl-2-Pentanone	ND	67
cis-1,3-Dichloropropene	ND	33
Toluene	ND	33
trans-1,3-Dichloropropene	ND	33
1,1,2-Trichloroethane	ND	33
2-Hexanone	ND	67
1,3-Dichloropropane	ND	33
Tetrachloroethene	ND	33
Dibromochloromethane	ND	33
1,2-Dibromoethane	ND	33
Chlorobenzene	ND	33
1,1,1,2-Tetrachloroethane	ND	33
Ethylbenzene	ND	33
m,p-Xylenes	ND	33
o-Xylene	ND	33
Styrene	ND	33
Bromoform	ND	33
Isopropylbenzene	48	33
1,1,2,2-Tetrachloroethane	ND	33
1,2,3-Trichloropropane	ND	33

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	230417	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	5086	Analysis:	EPA 8260B
Field ID:	B-2	Dil'n Fac:	6.667
Lab ID:	230417-004	Batch#:	178225
Matrix:	Soil	Sampled:	08/18/11
Units:	ug/Kg	Received:	08/19/11
Basis:	as received	Analyzed:	08/25/11

Analyte	Result	RL
Propylbenzene	250	33
Bromobenzene	ND	33
1,3,5-Trimethylbenzene	ND	33
2-Chlorotoluene	ND	33
4-Chlorotoluene	ND	33
tert-Butylbenzene	ND	33
1,2,4-Trimethylbenzene	ND	33
sec-Butylbenzene	55	33
para-Isopropyl Toluene	ND	33
1,3-Dichlorobenzene	ND	33
1,4-Dichlorobenzene	ND	33
n-Butylbenzene	250	33
1,2-Dichlorobenzene	ND	33
1,2-Dibromo-3-Chloropropane	ND	33
1,2,4-Trichlorobenzene	ND	33
Hexachlorobutadiene	ND	33
Naphthalene	670	33
1,2,3-Trichlorobenzene	ND	33

Surrogate	%REC	Limits
Dibromofluoromethane	97	71-126
1,2-Dichloroethane-d4	79	74-130
Toluene-d8	97	80-120
Bromofluorobenzene	100	76-131

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	230417	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	5086	Analysis:	EPA 8260B
Field ID:	B-3	Diln Fac:	0.9058
Lab ID:	230417-005	Batch#:	178046
Matrix:	Soil	Sampled:	08/18/11
Units:	ug/Kg	Received:	08/19/11
Basis:	as received	Analyzed:	08/19/11

Analyte	Result	RL
Freon 12	ND	9.1
tert-Butyl Alcohol (TBA)	ND	91
Chloromethane	ND	9.1
Isopropyl Ether (DIPE)	ND	4.5
Vinyl Chloride	ND	9.1
Bromomethane	ND	9.1
Ethyl tert-Butyl Ether (ETBE)	ND	4.5
Chloroethane	ND	9.1
Methyl tert-Amyl Ether (TAME)	ND	4.5
Trichlorofluoromethane	ND	4.5
Ethanol	ND	910
Acetone	ND	18
Freon 113	ND	4.5
1,1-Dichloroethene	ND	4.5
Methylene Chloride	ND	18
Carbon Disulfide	ND	4.5
MTBE	ND	4.5
trans-1,2-Dichloroethene	ND	4.5
Vinyl Acetate	ND	45
1,1-Dichloroethane	ND	4.5
2-Butanone	ND	9.1
cis-1,2-Dichloroethene	ND	4.5
2,2-Dichloropropane	ND	4.5
Chloroform	ND	4.5
Bromochloromethane	ND	4.5
1,1,1-Trichloroethane	ND	4.5
1,1-Dichloropropene	ND	4.5
Carbon Tetrachloride	ND	4.5
1,2-Dichloroethane	ND	4.5
Benzene	ND	4.5
Trichloroethene	ND	4.5
1,2-Dichloropropane	ND	4.5
Bromodichloromethane	ND	4.5
Dibromomethane	ND	4.5
4-Methyl-2-Pentanone	ND	9.1
cis-1,3-Dichloropropene	ND	4.5
Toluene	ND	4.5
trans-1,3-Dichloropropene	ND	4.5
1,1,2-Trichloroethane	ND	4.5
2-Hexanone	ND	9.1
1,3-Dichloropropane	ND	4.5
Tetrachloroethene	ND	4.5
Dibromochloromethane	ND	4.5
1,2-Dibromoethane	ND	4.5
Chlorobenzene	ND	4.5
1,1,1,2-Tetrachloroethane	ND	4.5
Ethylbenzene	ND	4.5
m,p-Xylenes	ND	4.5
o-Xylene	ND	4.5
Styrene	ND	4.5
Bromoform	ND	4.5
Isopropylbenzene	ND	4.5
1,1,2,2-Tetrachloroethane	ND	4.5
1,2,3-Trichloropropane	ND	4.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	230417	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	5086	Analysis:	EPA 8260B
Field ID:	B-3	Dil'n Fac:	0.9058
Lab ID:	230417-005	Batch#:	178046
Matrix:	Soil	Sampled:	08/18/11
Units:	ug/Kg	Received:	08/19/11
Basis:	as received	Analyzed:	08/19/11

Analyte	Result	RL
Propylbenzene	ND	4.5
Bromobenzene	ND	4.5
1,3,5-Trimethylbenzene	ND	4.5
2-Chlorotoluene	ND	4.5
4-Chlorotoluene	ND	4.5
tert-Butylbenzene	ND	4.5
1,2,4-Trimethylbenzene	ND	4.5
sec-Butylbenzene	ND	4.5
para-Isopropyl Toluene	ND	4.5
1,3-Dichlorobenzene	ND	4.5
1,4-Dichlorobenzene	ND	4.5
n-Butylbenzene	ND	4.5
1,2-Dichlorobenzene	ND	4.5
1,2-Dibromo-3-Chloropropane	ND	4.5
1,2,4-Trichlorobenzene	ND	4.5
Hexachlorobutadiene	ND	4.5
Naphthalene	ND	4.5
1,2,3-Trichlorobenzene	ND	4.5

Surrogate	%REC	Limits
Dibromofluoromethane	85	71-126
1,2-Dichloroethane-d4	89	74-130
Toluene-d8	100	80-120
Bromofluorobenzene	104	76-131

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	230417	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	5086	Analysis:	EPA 8260B
Field ID:	B-4	Diln Fac:	0.9728
Lab ID:	230417-006	Batch#:	178046
Matrix:	Soil	Sampled:	08/18/11
Units:	ug/Kg	Received:	08/19/11
Basis:	as received	Analyzed:	08/19/11

Analyte	Result	RL
Freon 12	ND	9.7
tert-Butyl Alcohol (TBA)	ND	97
Chloromethane	ND	9.7
Isopropyl Ether (DIPE)	ND	4.9
Vinyl Chloride	ND	9.7
Bromomethane	ND	9.7
Ethyl tert-Butyl Ether (ETBE)	ND	4.9
Chloroethane	ND	9.7
Methyl tert-Amyl Ether (TAME)	ND	4.9
Trichlorofluoromethane	ND	4.9
Ethanol	ND	970
Acetone	ND	19
Freon 113	ND	4.9
1,1-Dichloroethene	ND	4.9
Methylene Chloride	ND	19
Carbon Disulfide	ND	4.9
MTBE	ND	4.9
trans-1,2-Dichloroethene	ND	4.9
Vinyl Acetate	ND	49
1,1-Dichloroethane	ND	4.9
2-Butanone	ND	9.7
cis-1,2-Dichloroethene	ND	4.9
2,2-Dichloropropane	ND	4.9
Chloroform	ND	4.9
Bromochloromethane	ND	4.9
1,1,1-Trichloroethane	ND	4.9
1,1-Dichloropropene	ND	4.9
Carbon Tetrachloride	ND	4.9
1,2-Dichloroethane	ND	4.9
Benzene	ND	4.9
Trichloroethene	ND	4.9
1,2-Dichloropropane	ND	4.9
Bromodichloromethane	ND	4.9
Dibromomethane	ND	4.9
4-Methyl-2-Pentanone	ND	9.7
cis-1,3-Dichloropropene	ND	4.9
Toluene	ND	4.9
trans-1,3-Dichloropropene	ND	4.9
1,1,2-Trichloroethane	ND	4.9
2-Hexanone	ND	9.7
1,3-Dichloropropane	ND	4.9
Tetrachloroethene	ND	4.9
Dibromochloromethane	ND	4.9
1,2-Dibromoethane	ND	4.9
Chlorobenzene	ND	4.9
1,1,1,2-Tetrachloroethane	ND	4.9
Ethylbenzene	ND	4.9
m,p-Xylenes	ND	4.9
o-Xylene	ND	4.9
Styrene	ND	4.9
Bromoform	ND	4.9
Isopropylbenzene	ND	4.9
1,1,2,2-Tetrachloroethane	ND	4.9
1,2,3-Trichloropropane	ND	4.9

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	230417	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	5086	Analysis:	EPA 8260B
Field ID:	B-4	Dil'n Fac:	0.9728
Lab ID:	230417-006	Batch#:	178046
Matrix:	Soil	Sampled:	08/18/11
Units:	ug/Kg	Received:	08/19/11
Basis:	as received	Analyzed:	08/19/11

Analyte	Result	RL
Propylbenzene	ND	4.9
Bromobenzene	ND	4.9
1,3,5-Trimethylbenzene	ND	4.9
2-Chlorotoluene	ND	4.9
4-Chlorotoluene	ND	4.9
tert-Butylbenzene	ND	4.9
1,2,4-Trimethylbenzene	ND	4.9
sec-Butylbenzene	ND	4.9
para-Isopropyl Toluene	ND	4.9
1,3-Dichlorobenzene	ND	4.9
1,4-Dichlorobenzene	ND	4.9
n-Butylbenzene	ND	4.9
1,2-Dichlorobenzene	ND	4.9
1,2-Dibromo-3-Chloropropane	ND	4.9
1,2,4-Trichlorobenzene	ND	4.9
Hexachlorobutadiene	ND	4.9
Naphthalene	ND	4.9
1,2,3-Trichlorobenzene	ND	4.9

Surrogate	%REC	Limits
Dibromofluoromethane	84	71-126
1,2-Dichloroethane-d4	86	74-130
Toluene-d8	102	80-120
Bromofluorobenzene	101	76-131

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	230417	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	5086	Analysis:	EPA 8260B
Field ID:	D-1	Diln Fac:	5.155
Lab ID:	230417-007	Batch#:	178225
Matrix:	Soil	Sampled:	08/18/11
Units:	ug/Kg	Received:	08/19/11
Basis:	as received	Analyzed:	08/25/11

Analyte	Result	RL
Freon 12	ND	52
tert-Butyl Alcohol (TBA)	3,100	520
Chloromethane	ND	52
Isopropyl Ether (DIPE)	ND	26
Vinyl Chloride	ND	52
Bromomethane	ND	52
Ethyl tert-Butyl Ether (ETBE)	ND	26
Chloroethane	ND	52
Methyl tert-Amyl Ether (TAME)	140	26
Trichlorofluoromethane	ND	26
Ethanol	ND	5,200
Acetone	710	100
Freon 113	ND	26
1,1-Dichloroethene	ND	26
Methylene Chloride	ND	100
Carbon Disulfide	ND	26
MTBE	960	26
trans-1,2-Dichloroethene	ND	26
Vinyl Acetate	ND	260
1,1-Dichloroethane	ND	26
2-Butanone	60	52
cis-1,2-Dichloroethene	ND	26
2,2-Dichloropropane	ND	26
Chloroform	ND	26
Bromochloromethane	ND	26
1,1,1-Trichloroethane	ND	26
1,1-Dichloropropene	ND	26
Carbon Tetrachloride	ND	26
1,2-Dichloroethane	ND	26
Benzene	ND	26
Trichloroethene	ND	26
1,2-Dichloropropane	ND	26
Bromodichloromethane	ND	26
Dibromomethane	ND	26
4-Methyl-2-Pentanone	ND	52
cis-1,3-Dichloropropene	ND	26
Toluene	ND	26
trans-1,3-Dichloropropene	ND	26
1,1,2-Trichloroethane	ND	26
2-Hexanone	ND	52
1,3-Dichloropropane	ND	26
Tetrachloroethene	ND	26
Dibromochloromethane	ND	26
1,2-Dibromoethane	ND	26
Chlorobenzene	ND	26
1,1,1,2-Tetrachloroethane	ND	26
Ethylbenzene	ND	26
m,p-Xylenes	50	26
o-Xylene	ND	26
Styrene	ND	26
Bromoform	ND	26
Isopropylbenzene	ND	26
1,1,2,2-Tetrachloroethane	ND	26
1,2,3-Trichloropropane	ND	26

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	230417	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	5086	Analysis:	EPA 8260B
Field ID:	D-1	Dil'n Fac:	5.155
Lab ID:	230417-007	Batch#:	178225
Matrix:	Soil	Sampled:	08/18/11
Units:	ug/Kg	Received:	08/19/11
Basis:	as received	Analyzed:	08/25/11

Analyte	Result	RL
Propylbenzene	38	26
Bromobenzene	ND	26
1,3,5-Trimethylbenzene	ND	26
2-Chlorotoluene	ND	26
4-Chlorotoluene	ND	26
tert-Butylbenzene	ND	26
1,2,4-Trimethylbenzene	99	26
sec-Butylbenzene	ND	26
para-Isopropyl Toluene	ND	26
1,3-Dichlorobenzene	ND	26
1,4-Dichlorobenzene	ND	26
n-Butylbenzene	ND	26
1,2-Dichlorobenzene	ND	26
1,2-Dibromo-3-Chloropropane	ND	26
1,2,4-Trichlorobenzene	ND	26
Hexachlorobutadiene	ND	26
Naphthalene	ND	26
1,2,3-Trichlorobenzene	ND	26

Surrogate	%REC	Limits
Dibromofluoromethane	92	71-126
1,2-Dichloroethane-d4	80	74-130
Toluene-d8	95	80-120
Bromofluorobenzene	96	76-131

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	230417	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	5086	Analysis:	EPA 8260B
Field ID:	D-2	Diln Fac:	0.9579
Lab ID:	230417-008	Batch#:	178140
Matrix:	Soil	Sampled:	08/18/11
Units:	ug/Kg	Received:	08/19/11
Basis:	as received	Analyzed:	08/23/11

Analyte	Result	RL
Freon 12	ND	9.6
tert-Butyl Alcohol (TBA)	570	96
Chloromethane	ND	9.6
Isopropyl Ether (DIPE)	ND	4.8
Vinyl Chloride	ND	9.6
Bromomethane	ND	9.6
Ethyl tert-Butyl Ether (ETBE)	ND	4.8
Chloroethane	ND	9.6
Methyl tert-Amyl Ether (TAME)	ND	4.8
Trichlorofluoromethane	ND	4.8
Ethanol	ND	960
Acetone	170	19
Freon 113	ND	4.8
1,1-Dichloroethene	ND	4.8
Methylene Chloride	ND	19
Carbon Disulfide	ND	4.8
MTBE	95	4.8
trans-1,2-Dichloroethene	ND	4.8
Vinyl Acetate	ND	48
1,1-Dichloroethane	ND	4.8
2-Butanone	20	9.6
cis-1,2-Dichloroethene	ND	4.8
2,2-Dichloropropane	ND	4.8
Chloroform	ND	4.8
Bromochloromethane	ND	4.8
1,1,1-Trichloroethane	ND	4.8
1,1-Dichloropropene	ND	4.8
Carbon Tetrachloride	ND	4.8
1,2-Dichloroethane	ND	4.8
Benzene	ND	4.8
Trichloroethene	ND	4.8
1,2-Dichloropropane	ND	4.8
Bromodichloromethane	ND	4.8
Dibromomethane	ND	4.8
4-Methyl-2-Pentanone	ND	9.6
cis-1,3-Dichloropropene	ND	4.8
Toluene	ND	4.8
trans-1,3-Dichloropropene	ND	4.8
1,1,2-Trichloroethane	ND	4.8
2-Hexanone	ND	9.6
1,3-Dichloropropane	ND	4.8
Tetrachloroethene	ND	4.8
Dibromochloromethane	ND	4.8
1,2-Dibromoethane	ND	4.8
Chlorobenzene	ND	4.8
1,1,1,2-Tetrachloroethane	ND	4.8
Ethylbenzene	ND	4.8
m,p-Xylenes	ND	4.8
o-Xylene	ND	4.8
Styrene	ND	4.8
Bromoform	ND	4.8
Isopropylbenzene	ND	4.8
1,1,2,2-Tetrachloroethane	ND	4.8
1,2,3-Trichloropropane	ND	4.8

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	230417	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	5086	Analysis:	EPA 8260B
Field ID:	D-2	Dil'n Fac:	0.9579
Lab ID:	230417-008	Batch#:	178140
Matrix:	Soil	Sampled:	08/18/11
Units:	ug/Kg	Received:	08/19/11
Basis:	as received	Analyzed:	08/23/11

Analyte	Result	RL
Propylbenzene	7.2	4.8
Bromobenzene	ND	4.8
1,3,5-Trimethylbenzene	5.4	4.8
2-Chlorotoluene	ND	4.8
4-Chlorotoluene	ND	4.8
tert-Butylbenzene	ND	4.8
1,2,4-Trimethylbenzene	29	4.8
sec-Butylbenzene	ND	4.8
para-Isopropyl Toluene	ND	4.8
1,3-Dichlorobenzene	ND	4.8
1,4-Dichlorobenzene	ND	4.8
n-Butylbenzene	ND	4.8
1,2-Dichlorobenzene	ND	4.8
1,2-Dibromo-3-Chloropropane	ND	4.8
1,2,4-Trichlorobenzene	ND	4.8
Hexachlorobutadiene	ND	4.8
Naphthalene	ND	4.8
1,2,3-Trichlorobenzene	ND	4.8

Surrogate	%REC	Limits
Dibromofluoromethane	116	71-126
1,2-Dichloroethane-d4	88	74-130
Toluene-d8	94	80-120
Bromofluorobenzene	107	76-131

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Volatile Organics

Lab #:	230417	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	5086	Analysis:	EPA 8260B
Type:	BLANK	Dil'n Fac:	1.000
Lab ID:	QC605227	Batch#:	178046
Matrix:	Soil	Analyzed:	08/19/11
Units:	ug/Kg		

Analyte	Result	RL
Freon 12	ND	10
tert-Butyl Alcohol (TBA)	ND	100
Chloromethane	ND	10
Isopropyl Ether (DIPE)	ND	5.0
Vinyl Chloride	ND	10
Bromomethane	ND	10
Ethyl tert-Butyl Ether (ETBE)	ND	5.0
Chloroethane	ND	10
Methyl tert-Amyl Ether (TAME)	ND	5.0
Trichlorofluoromethane	ND	5.0
Ethanol	ND	1,000
Acetone	ND	20
Freon 113	ND	5.0
1,1-Dichloroethene	ND	5.0
Methylene Chloride	ND	20
Carbon Disulfide	ND	5.0
MTBE	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
Vinyl Acetate	ND	50
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	5.0
2,2-Dichloropropane	ND	5.0
Chloroform	ND	5.0
Bromochloromethane	ND	5.0
1,1,1-Trichloroethane	ND	5.0
1,1-Dichloropropene	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
Dibromomethane	ND	5.0
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	5.0
Toluene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
2-Hexanone	ND	10
1,3-Dichloropropane	ND	5.0
Tetrachloroethene	ND	5.0
Dibromochloromethane	ND	5.0
1,2-Dibromoethane	ND	5.0
Chlorobenzene	ND	5.0
1,1,1,2-Tetrachloroethane	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
Styrene	ND	5.0
Bromoform	ND	5.0
Isopropylbenzene	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0

*= Value outside of QC limits; see narrative
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Volatile Organics

Lab #:	230417	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	5086	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC605227	Batch#:	178046
Matrix:	Soil	Analyzed:	08/19/11
Units:	ug/Kg		

Analyte	Result	RL
1,2,3-Trichloropropane	ND	5.0
Propylbenzene	ND	5.0
Bromobenzene	ND	5.0
1,3,5-Trimethylbenzene	ND	5.0
2-Chlorotoluene	ND	5.0
4-Chlorotoluene	ND	5.0
tert-Butylbenzene	ND	5.0
1,2,4-Trimethylbenzene	ND	5.0
sec-Butylbenzene	ND	5.0
para-Isopropyl Toluene	ND	5.0
1,3-Dichlorobenzene	ND	5.0
1,4-Dichlorobenzene	ND	5.0
n-Butylbenzene	ND	5.0
1,2-Dichlorobenzene	ND	5.0
1,2-Dibromo-3-Chloropropane	ND	5.0
1,2,4-Trichlorobenzene	ND	5.0
Hexachlorobutadiene	ND	5.0
Naphthalene	ND	5.0
1,2,3-Trichlorobenzene	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	67 *	71-126
1,2-Dichloroethane-d4	66 *	74-130
Toluene-d8	101	80-120
Bromofluorobenzene	104	76-131

*= Value outside of QC limits; see narrative
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Volatile Organics

Lab #:	230417	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	5086	Analysis:	EPA 8260B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC605238	Batch#:	178046
Matrix:	Soil	Analyzed:	08/19/11
Units:	ug/Kg		

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	136.9	110	44-138
Isopropyl Ether (DIPE)	25.00	21.69	87	54-130
Ethyl tert-Butyl Ether (ETBE)	25.00	21.83	87	58-124
Methyl tert-Amyl Ether (TAME)	25.00	23.66	95	63-120
1,1-Dichloroethene	25.00	20.95	84	69-127
Benzene	25.00	25.09	100	80-122
Trichloroethene	25.00	22.02	88	76-123
Toluene	25.00	26.22	105	80-120
Chlorobenzene	25.00	26.60	106	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	87	71-126
1,2-Dichloroethane-d4	86	74-130
Toluene-d8	101	80-120
Bromofluorobenzene	102	76-131

Curtis & Tompkins, Ltd.

Batch QC Report

Volatile Organics

Lab #:	230417	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	5086	Analysis:	EPA 8260B
Field ID:	ZZZZZZZZZZ	Batch#:	178046
MSS Lab ID:	230236-012	Sampled:	08/11/11
Matrix:	Soil	Received:	08/12/11
Units:	ug/Kg	Analyzed:	08/19/11
Basis:	as received		

Type: MS Diln Fac: 0.8865
Lab ID: QC605243

Analyte	MSS Result	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	<17.73	221.6	183.1	83	45-131
Isopropyl Ether (DIPE)	<1.437	44.33	37.36	84	53-120
Ethyl tert-Butyl Ether (ETBE)	<0.5710	44.33	40.57	92	53-120
Methyl tert-Amyl Ether (TAME)	<0.5728	44.33	38.80	88	56-120
1,1-Dichloroethene	<1.260	44.33	32.68	74	57-134
Benzene	<0.6832	44.33	39.62	89	62-123
Trichloroethene	<0.7376	44.33	37.93	86	50-146
Toluene	<0.4598	44.33	37.84	85	59-120
Chlorobenzene	<0.3475	44.33	39.69	90	53-120

Surrogate	%REC	Limits
Dibromofluoromethane	102	71-126
1,2-Dichloroethane-d4	96	74-130
Toluene-d8	101	80-120
Bromofluorobenzene	101	76-131

Type: MSD Diln Fac: 0.9524
Lab ID: QC605244

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	238.1	197.0	83	45-131	0	44
Isopropyl Ether (DIPE)	47.62	41.41	87	53-120	3	39
Ethyl tert-Butyl Ether (ETBE)	47.62	45.64	96	53-120	5	39
Methyl tert-Amyl Ether (TAME)	47.62	43.29	91	56-120	4	39
1,1-Dichloroethene	47.62	40.09	84	57-134	13	45
Benzene	47.62	46.01	97	62-123	8	40
Trichloroethene	47.62	43.65	92	50-146	7	46
Toluene	47.62	44.72	94	59-120	10	43
Chlorobenzene	47.62	45.27	95	53-120	6	43

Surrogate	%REC	Limits
Dibromofluoromethane	99	71-126
1,2-Dichloroethane-d4	97	74-130
Toluene-d8	102	80-120
Bromofluorobenzene	99	76-131

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Volatile Organics

Lab #:	230417	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	5086	Analysis:	EPA 8260B
Type:	BLANK	Dil'n Fac:	1.000
Lab ID:	QC605587	Batch#:	178140
Matrix:	Soil	Analyzed:	08/23/11
Units:	ug/Kg		

Analyte	Result	RL
Freon 12	ND	10
tert-Butyl Alcohol (TBA)	ND	100
Chloromethane	ND	10
Isopropyl Ether (DIPE)	ND	5.0
Vinyl Chloride	ND	10
Bromomethane	ND	10
Ethyl tert-Butyl Ether (ETBE)	ND	5.0
Chloroethane	ND	10
Methyl tert-Amyl Ether (TAME)	ND	5.0
Trichlorofluoromethane	ND	5.0
Ethanol	ND	1,000
Acetone	ND	20
Freon 113	ND	5.0
1,1-Dichloroethene	ND	5.0
Methylene Chloride	ND	20
Carbon Disulfide	ND	5.0
MTBE	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
Vinyl Acetate	ND	50
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	5.0
2,2-Dichloropropane	ND	5.0
Chloroform	ND	5.0
Bromochloromethane	ND	5.0
1,1,1-Trichloroethane	ND	5.0
1,1-Dichloropropene	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
Dibromomethane	ND	5.0
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	5.0
Toluene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
2-Hexanone	ND	10
1,3-Dichloropropane	ND	5.0
Tetrachloroethene	ND	5.0
Dibromochloromethane	ND	5.0
1,2-Dibromoethane	ND	5.0
Chlorobenzene	ND	5.0
1,1,1,2-Tetrachloroethane	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
Styrene	ND	5.0
Bromoform	ND	5.0
Isopropylbenzene	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0
1,2,3-Trichloropropane	ND	5.0

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Volatile Organics

Lab #:	230417	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	5086	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC605587	Batch#:	178140
Matrix:	Soil	Analyzed:	08/23/11
Units:	ug/Kg		

Analyte	Result	RL
Propylbenzene	ND	5.0
Bromobenzene	ND	5.0
1,3,5-Trimethylbenzene	ND	5.0
2-Chlorotoluene	ND	5.0
4-Chlorotoluene	ND	5.0
tert-Butylbenzene	ND	5.0
1,2,4-Trimethylbenzene	ND	5.0
sec-Butylbenzene	ND	5.0
para-Isopropyl Toluene	ND	5.0
1,3-Dichlorobenzene	ND	5.0
1,4-Dichlorobenzene	ND	5.0
n-Butylbenzene	ND	5.0
1,2-Dichlorobenzene	ND	5.0
1,2-Dibromo-3-Chloropropane	ND	5.0
1,2,4-Trichlorobenzene	ND	5.0
Hexachlorobutadiene	ND	5.0
Naphthalene	ND	5.0
1,2,3-Trichlorobenzene	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	118	71-126
1,2-Dichloroethane-d4	80	74-130
Toluene-d8	95	80-120
Bromofluorobenzene	111	76-131

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Volatile Organics

Lab #:	230417	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	5086	Analysis:	EPA 8260B
Matrix:	Soil	Batch#:	178140
Units:	ug/Kg	Analyzed:	08/23/11
Diln Fac:	1.000		

Type: BS Lab ID: QC605588

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	100.0	99.85	100	44-138
Isopropyl Ether (DIPE)	20.00	15.35	77	54-130
Ethyl tert-Butyl Ether (ETBE)	20.00	17.37	87	58-124
Methyl tert-Amyl Ether (TAME)	20.00	15.00	75	63-120
1,1-Dichloroethene	20.00	19.55	98	69-127
Benzene	20.00	18.72	94	80-122
Trichloroethene	20.00	18.55	93	76-123
Toluene	20.00	19.64	98	80-120
Chlorobenzene	20.00	21.76	109	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	118	71-126
1,2-Dichloroethane-d4	85	74-130
Toluene-d8	101	80-120
Bromofluorobenzene	105	76-131

Type: BSD Lab ID: QC605589

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	100.0	105.3	105	44-138	5	42
Isopropyl Ether (DIPE)	20.00	14.99	75	54-130	2	22
Ethyl tert-Butyl Ether (ETBE)	20.00	16.90	84	58-124	3	20
Methyl tert-Amyl Ether (TAME)	20.00	15.62	78	63-120	4	20
1,1-Dichloroethene	20.00	20.50	103	69-127	5	27
Benzene	20.00	18.34	92	80-122	2	20
Trichloroethene	20.00	20.67	103	76-123	11	21
Toluene	20.00	19.91	100	80-120	1	21
Chlorobenzene	20.00	21.88	109	80-120	1	20

Surrogate	%REC	Limits
Dibromofluoromethane	119	71-126
1,2-Dichloroethane-d4	87	74-130
Toluene-d8	97	80-120
Bromofluorobenzene	107	76-131

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Volatile Organics

Lab #:	230417	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	5086	Analysis:	EPA 8260B
Field ID:	ZZZZZZZZZZ	Batch#:	178140
MSS Lab ID:	230479-003	Sampled:	08/23/11
Matrix:	Soil	Received:	08/23/11
Units:	ug/Kg	Analyzed:	08/23/11
Basis:	as received		

Type: MS Diln Fac: 0.9381
Lab ID: QC605626

Analyte	MSS Result	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	<14.22	234.5	252.6	108	45-131
Isopropyl Ether (DIPE)	<1.173	46.90	33.32	71	53-120
Ethyl tert-Butyl Ether (ETBE)	<0.8843	46.90	36.95	79	53-120
Methyl tert-Amyl Ether (TAME)	<0.5760	46.90	33.04	70	56-120
1,1-Dichloroethene	<0.5415	46.90	48.12	103	57-134
Benzene	1.244	46.90	39.11	81	62-123
Trichloroethene	<1.029	46.90	42.79	91	50-146
Toluene	<1.190	46.90	41.69	89	59-120
Chlorobenzene	<0.2658	46.90	42.80	91	53-120

Surrogate	%REC	Limits
Dibromofluoromethane	116	71-126
1,2-Dichloroethane-d4	86	74-130
Toluene-d8	94	80-120
Bromofluorobenzene	111	76-131

Type: MSD Diln Fac: 0.9208
Lab ID: QC605627

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	230.2	213.0	93	45-131	15	44
Isopropyl Ether (DIPE)	46.04	30.43	66	53-120	7	39
Ethyl tert-Butyl Ether (ETBE)	46.04	36.25	79	53-120	0	39
Methyl tert-Amyl Ether (TAME)	46.04	31.62	69	56-120	3	39
1,1-Dichloroethene	46.04	46.05	100	57-134	3	45
Benzene	46.04	40.48	85	62-123	5	40
Trichloroethene	46.04	42.57	92	50-146	1	46
Toluene	46.04	40.99	89	59-120	0	43
Chlorobenzene	46.04	42.00	91	53-120	0	43

Surrogate	%REC	Limits
Dibromofluoromethane	114	71-126
1,2-Dichloroethane-d4	89	74-130
Toluene-d8	92	80-120
Bromofluorobenzene	101	76-131

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Volatile Organics

Lab #:	230417	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	5086	Analysis:	EPA 8260B
Type:	BLANK	Dil'n Fac:	1.000
Lab ID:	QC605754	Batch#:	178180
Matrix:	Soil	Analyzed:	08/24/11
Units:	ug/Kg		

Analyte	Result	RL
Freon 12	ND	10
tert-Butyl Alcohol (TBA)	ND	100
Chloromethane	ND	10
Isopropyl Ether (DIPE)	ND	5.0
Vinyl Chloride	ND	10
Bromomethane	ND	10
Ethyl tert-Butyl Ether (ETBE)	ND	5.0
Chloroethane	ND	10
Methyl tert-Amyl Ether (TAME)	ND	5.0
Trichlorofluoromethane	ND	5.0
Ethanol	ND	1,000
Acetone	ND	20
Freon 113	ND	5.0
1,1-Dichloroethene	ND	5.0
Methylene Chloride	ND	20
Carbon Disulfide	ND	5.0
MTBE	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
Vinyl Acetate	ND	50
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	5.0
2,2-Dichloropropane	ND	5.0
Chloroform	ND	5.0
Bromochloromethane	ND	5.0
1,1,1-Trichloroethane	ND	5.0
1,1-Dichloropropene	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
Dibromomethane	ND	5.0
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	5.0
Toluene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
2-Hexanone	ND	10
1,3-Dichloropropane	ND	5.0
Tetrachloroethene	ND	5.0
Dibromochloromethane	ND	5.0
1,2-Dibromoethane	ND	5.0
Chlorobenzene	ND	5.0
1,1,1,2-Tetrachloroethane	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
Styrene	ND	5.0
Bromoform	ND	5.0
Isopropylbenzene	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0
1,2,3-Trichloropropane	ND	5.0

ND= Not Detected
RL= Reporting Limit

Batch QC Report

Volatile Organics

Lab #:	230417	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	5086	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC605754	Batch#:	178180
Matrix:	Soil	Analyzed:	08/24/11
Units:	ug/Kg		

Analyte	Result	RL
Propylbenzene	ND	5.0
Bromobenzene	ND	5.0
1,3,5-Trimethylbenzene	ND	5.0
2-Chlorotoluene	ND	5.0
4-Chlorotoluene	ND	5.0
tert-Butylbenzene	ND	5.0
1,2,4-Trimethylbenzene	ND	5.0
sec-Butylbenzene	ND	5.0
para-Isopropyl Toluene	ND	5.0
1,3-Dichlorobenzene	ND	5.0
1,4-Dichlorobenzene	ND	5.0
n-Butylbenzene	ND	5.0
1,2-Dichlorobenzene	ND	5.0
1,2-Dibromo-3-Chloropropane	ND	5.0
1,2,4-Trichlorobenzene	ND	5.0
Hexachlorobutadiene	ND	5.0
Naphthalene	ND	5.0
1,2,3-Trichlorobenzene	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	109	71-126
1,2-Dichloroethane-d4	80	74-130
Toluene-d8	93	80-120
Bromofluorobenzene	111	76-131

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Volatile Organics

Lab #:	230417	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	5086	Analysis:	EPA 8260B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC605755	Batch#:	178180
Matrix:	Soil	Analyzed:	08/24/11
Units:	ug/Kg		

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	100.0	88.83	89	44-138
Isopropyl Ether (DIPE)	20.00	13.79	69	54-130
Ethyl tert-Butyl Ether (ETBE)	20.00	15.88	79	58-124
Methyl tert-Amyl Ether (TAME)	20.00	13.77	69	63-120
1,1-Dichloroethene	20.00	19.20	96	69-127
Benzene	20.00	17.88	89	80-122
Trichloroethene	20.00	20.05	100	76-123
Toluene	20.00	19.81	99	80-120
Chlorobenzene	20.00	21.89	109	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	110	71-126
1,2-Dichloroethane-d4	82	74-130
Toluene-d8	97	80-120
Bromofluorobenzene	103	76-131

Curtis & Tompkins, Ltd.

Batch QC Report

Volatile Organics

Lab #:	230417	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	5086	Analysis:	EPA 8260B
Field ID:	ZZZZZZZZZZ	Batch#:	178180
MSS Lab ID:	230457-001	Sampled:	08/22/11
Matrix:	Soil	Received:	08/22/11
Units:	ug/Kg	Analyzed:	08/25/11
Basis:	as received		

Type: MS Diln Fac: 0.9653
Lab ID: QC605756

Analyte	MSS Result	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	<15.25	241.3	224.4	93	45-131
Isopropyl Ether (DIPE)	<1.258	48.26	34.47	71	53-120
Ethyl tert-Butyl Ether (ETBE)	<0.9483	48.26	39.10	81	53-120
Methyl tert-Amyl Ether (TAME)	<0.6177	48.26	34.46	71	56-120
1,1-Dichloroethene	<0.5807	48.26	38.72	80	57-134
Benzene	<0.9460	48.26	33.53	69	62-123
Trichloroethene	<1.104	48.26	34.79	72	50-146
Toluene	<1.277	48.26	31.60	65	59-120
Chlorobenzene	<0.2851	48.26	32.35	67	53-120

Surrogate	%REC	Limits
Dibromofluoromethane	127 *	71-126
1,2-Dichloroethane-d4	89	74-130
Toluene-d8	93	80-120
Bromofluorobenzene	112	76-131

Type: MSD Diln Fac: 0.9728
Lab ID: QC605757

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	243.2	157.5	65	45-131	36	44
Isopropyl Ether (DIPE)	48.64	26.46	54	53-120	27	39
Ethyl tert-Butyl Ether (ETBE)	48.64	31.15	64	53-120	23	39
Methyl tert-Amyl Ether (TAME)	48.64	32.31	66	56-120	7	39
1,1-Dichloroethene	48.64	43.09	89	57-134	10	45
Benzene	48.64	40.98	84	62-123	19	40
Trichloroethene	48.64	42.33	87	50-146	19	46
Toluene	48.64	44.18	91	59-120	32	43
Chlorobenzene	48.64	45.83	94	53-120	34	43

Surrogate	%REC	Limits
Dibromofluoromethane	98	71-126
1,2-Dichloroethane-d4	79	74-130
Toluene-d8	94	80-120
Bromofluorobenzene	98	76-131

*= Value outside of QC limits; see narrative
RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Volatile Organics

Lab #:	230417	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	5086	Analysis:	EPA 8260B
Type:	BLANK	Dil'n Fac:	1.000
Lab ID:	QC605942	Batch#:	178225
Matrix:	Soil	Analyzed:	08/25/11
Units:	ug/Kg		

Analyte	Result	RL
Freon 12	ND	10
tert-Butyl Alcohol (TBA)	ND	100
Chloromethane	ND	10
Isopropyl Ether (DIPE)	ND	5.0
Vinyl Chloride	ND	10
Bromomethane	ND	10
Ethyl tert-Butyl Ether (ETBE)	ND	5.0
Chloroethane	ND	10
Methyl tert-Amyl Ether (TAME)	ND	5.0
Trichlorofluoromethane	ND	5.0
Ethanol	ND	1,000
Acetone	ND	20
Freon 113	ND	5.0
1,1-Dichloroethene	ND	5.0
Methylene Chloride	ND	20
Carbon Disulfide	ND	5.0
MTBE	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
Vinyl Acetate	ND	50
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	5.0
2,2-Dichloropropane	ND	5.0
Chloroform	ND	5.0
Bromochloromethane	ND	5.0
1,1,1-Trichloroethane	ND	5.0
1,1-Dichloropropene	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
Dibromomethane	ND	5.0
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	5.0
Toluene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
2-Hexanone	ND	10
1,3-Dichloropropane	ND	5.0
Tetrachloroethene	ND	5.0
Dibromochloromethane	ND	5.0
1,2-Dibromoethane	ND	5.0
Chlorobenzene	ND	5.0
1,1,1,2-Tetrachloroethane	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
Styrene	ND	5.0
Bromoform	ND	5.0
Isopropylbenzene	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0
1,2,3-Trichloropropane	ND	5.0

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Volatile Organics

Lab #:	230417	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	5086	Analysis:	EPA 8260B
Type:	BLANK	Dln Fac:	1.000
Lab ID:	QC605942	Batch#:	178225
Matrix:	Soil	Analyzed:	08/25/11
Units:	ug/Kg		

Analyte	Result	RL
Propylbenzene	ND	5.0
Bromobenzene	ND	5.0
1,3,5-Trimethylbenzene	ND	5.0
2-Chlorotoluene	ND	5.0
4-Chlorotoluene	ND	5.0
tert-Butylbenzene	ND	5.0
1,2,4-Trimethylbenzene	ND	5.0
sec-Butylbenzene	ND	5.0
para-Isopropyl Toluene	ND	5.0
1,3-Dichlorobenzene	ND	5.0
1,4-Dichlorobenzene	ND	5.0
n-Butylbenzene	ND	5.0
1,2-Dichlorobenzene	ND	5.0
1,2-Dibromo-3-Chloropropane	ND	5.0
1,2,4-Trichlorobenzene	ND	5.0
Hexachlorobutadiene	ND	5.0
Naphthalene	ND	5.0
1,2,3-Trichlorobenzene	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	122	71-126
1,2-Dichloroethane-d4	86	74-130
Toluene-d8	96	80-120
Bromofluorobenzene	112	76-131

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Volatile Organics

Lab #:	230417	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	5086	Analysis:	EPA 8260B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC605943	Batch#:	178225
Matrix:	Soil	Analyzed:	08/25/11
Units:	ug/Kg		

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	100.0	85.57	86	44-138
Isopropyl Ether (DIPE)	20.00	15.56	78	54-130
Ethyl tert-Butyl Ether (ETBE)	20.00	17.33	87	58-124
Methyl tert-Amyl Ether (TAME)	20.00	14.72	74	63-120
1,1-Dichloroethene	20.00	21.13	106	69-127
Benzene	20.00	18.97	95	80-122
Trichloroethene	20.00	20.91	105	76-123
Toluene	20.00	19.40	97	80-120
Chlorobenzene	20.00	21.67	108	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	125	71-126
1,2-Dichloroethane-d4	86	74-130
Toluene-d8	100	80-120
Bromofluorobenzene	111	76-131

Curtis & Tompkins, Ltd.

Batch QC Report

Volatile Organics

Lab #:	230417	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	5086	Analysis:	EPA 8260B
Field ID:	ZZZZZZZZZZ	Batch#:	178225
MSS Lab ID:	230549-006	Sampled:	08/22/11
Matrix:	Soil	Received:	08/22/11
Units:	ug/Kg	Analyzed:	08/25/11
Basis:	as received		

Type: MS Diln Fac: 0.9804
Lab ID: QC605944

Analyte	MSS Result	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	<14.52	245.1	169.1	69	45-131
Isopropyl Ether (DIPE)	<1.197	49.02	24.35	50 *	53-120
Ethyl tert-Butyl Ether (ETBE)	<0.9024	49.02	31.32	64	53-120
Methyl tert-Amyl Ether (TAME)	<0.5878	49.02	29.73	61	56-120
1,1-Dichloroethene	<0.5526	49.02	36.66	75	57-134
Benzene	<0.9002	49.02	37.07	76	62-123
Trichloroethene	<1.050	49.02	41.28	84	50-146
Toluene	<1.215	49.02	38.61	79	59-120
Chlorobenzene	<0.2713	49.02	39.49	81	53-120

Surrogate	%REC	Limits
Dibromofluoromethane	104	71-126
1,2-Dichloroethane-d4	79	74-130
Toluene-d8	91	80-120
Bromofluorobenzene	97	76-131

Type: MSD Diln Fac: 0.9862
Lab ID: QC605945

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	246.5	193.5	79	45-131	13	44
Isopropyl Ether (DIPE)	49.31	26.93	55	53-120	9	39
Ethyl tert-Butyl Ether (ETBE)	49.31	34.01	69	53-120	8	39
Methyl tert-Amyl Ether (TAME)	49.31	32.25	65	56-120	8	39
1,1-Dichloroethene	49.31	41.22	84	57-134	11	45
Benzene	49.31	40.52	82	62-123	8	40
Trichloroethene	49.31	45.72	93	50-146	10	46
Toluene	49.31	41.19	84	59-120	6	43
Chlorobenzene	49.31	42.82	87	53-120	8	43

Surrogate	%REC	Limits
Dibromofluoromethane	106	71-126
1,2-Dichloroethane-d4	82	74-130
Toluene-d8	93	80-120
Bromofluorobenzene	102	76-131

*= Value outside of QC limits; see narrative
RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

California LUFT Metals

Lab #:	230417	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 3050B
Project#:	5086	Analysis:	EPA 6010B
Matrix:	Soil	Sampled:	08/18/11
Units:	mg/Kg	Received:	08/19/11
Basis:	as received	Prepared:	08/21/11
Batch#:	178070		

Field ID: T-JUNCTION
Type: SAMPLE
Lab ID: 230417-002

Analyte	Result	RL	Diln Fac	Analyzed
Cadmium	ND	0.25	1.000	08/23/11
Chromium	260	0.25	1.000	08/23/11
Lead	4.1	0.25	1.000	08/23/11
Nickel	890	2.3	10.00	08/25/11
Zinc	40	1.0	1.000	08/23/11

Field ID: B-1
Type: SAMPLE
Lab ID: 230417-003

Analyte	Result	RL	Diln Fac	Analyzed
Cadmium	ND	0.25	1.000	08/23/11
Chromium	240	0.25	1.000	08/23/11
Lead	3.0	0.25	1.000	08/23/11
Nickel	840	2.5	10.00	08/25/11
Zinc	38	1.0	1.000	08/23/11

Field ID: B-2
Type: SAMPLE
Lab ID: 230417-004

Analyte	Result	RL	Diln Fac	Analyzed
Cadmium	ND	0.25	1.000	08/23/11
Chromium	260	0.25	1.000	08/23/11
Lead	5.1	0.25	1.000	08/23/11
Nickel	860	2.3	10.00	08/25/11
Zinc	39	1.0	1.000	08/23/11

Field ID: B-3
Type: SAMPLE
Lab ID: 230417-005

Analyte	Result	RL	Diln Fac	Analyzed
Cadmium	ND	0.25	1.000	08/23/11
Chromium	260	0.25	1.000	08/23/11
Lead	2.7	0.25	1.000	08/23/11
Nickel	900	2.4	10.00	08/25/11
Zinc	40	1.0	1.000	08/23/11

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

California LUFT Metals

Lab #:	230417	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 3050B
Project#:	5086	Analysis:	EPA 6010B
Matrix:	Soil	Sampled:	08/18/11
Units:	mg/Kg	Received:	08/19/11
Basis:	as received	Prepared:	08/21/11
Batch#:	178070		

Field ID: B-4 Lab ID: 230417-006
Type: SAMPLE

Analyte	Result	RL	Diln Fac	Analyzed
Cadmium	ND	0.25	1.000	08/23/11
Chromium	280	0.25	1.000	08/23/11
Lead	2.5	0.25	1.000	08/23/11
Nickel	940	2.5	10.00	08/25/11
Zinc	36	1.0	1.000	08/23/11

Field ID: D-1 Lab ID: 230417-007
Type: SAMPLE

Analyte	Result	RL	Diln Fac	Analyzed
Cadmium	ND	0.25	1.000	08/23/11
Chromium	220	0.25	1.000	08/23/11
Lead	2.5	0.25	1.000	08/23/11
Nickel	800	2.4	10.00	08/25/11
Zinc	35	1.0	1.000	08/23/11

Field ID: D-2 Lab ID: 230417-008
Type: SAMPLE

Analyte	Result	RL	Diln Fac	Analyzed
Cadmium	ND	0.25	1.000	08/23/11
Chromium	280	0.25	1.000	08/23/11
Lead	3.1	0.25	1.000	08/23/11
Nickel	980	2.3	10.00	08/25/11
Zinc	37	1.0	1.000	08/23/11

Type: BLANK Diln Fac: 1.000
Lab ID: QC605320 Analyzed: 08/22/11

Analyte	Result	RL
Cadmium	ND	0.25
Chromium	ND	0.25
Lead	ND	0.25
Nickel	ND	0.25
Zinc	ND	1.0

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

California LUFT Metals

Lab #:	230417	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 3050B
Project#:	5086	Analysis:	EPA 6010B
Matrix:	Soil	Batch#:	178070
Units:	mg/Kg	Prepared:	08/21/11
Diln Fac:	1.000	Analyzed:	08/22/11

Type: BS Lab ID: QC605321

Analyte	Spiked	Result	%REC	Limits
Cadmium	10.00	10.23	102	80-120
Chromium	100.0	100.7	101	80-120
Lead	100.0	99.09	99	80-120
Nickel	25.00	24.67	99	80-120
Zinc	25.00	25.45	102	80-120

Type: BSD Lab ID: QC605322

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Cadmium	10.00	9.961	100	80-120	3	20
Chromium	100.0	98.38	98	80-120	2	20
Lead	100.0	96.37	96	80-120	3	20
Nickel	25.00	23.97	96	80-120	3	20
Zinc	25.00	25.06	100	80-120	2	20

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

California LUFT Metals

Lab #:	230417	Location:	2844 Mountain Blvd, Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 3050B
Project#:	5086	Analysis:	EPA 6010B
Field ID:	ZZZZZZZZZZ	Batch#:	178070
MSS Lab ID:	230406-001	Sampled:	08/01/11
Matrix:	Soil	Received:	08/01/11
Units:	mg/Kg	Prepared:	08/21/11
Basis:	as received	Analyzed:	08/22/11
Diln Fac:	10.00		

Type: MS Lab ID: QC605323

Analyte	MSS Result	Spiked	Result	%REC	Limits
Cadmium	1.753	10.00	12.90	111	70-120
Chromium	61.73	100.0	168.4	107	54-127
Lead	1,235	100.0	1,281	46 NM	54-124
Nickel	42.49	25.00	63.33	83	37-141
Zinc	426.4	25.00	441.3	60 NM	32-153

Type: MSD Lab ID: QC605324

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Cadmium	10.00	13.74	120	70-120	6	37
Chromium	100.0	182.7	121	54-127	8	36
Lead	100.0	2,309	1074 NM	54-124	57 *	43
Nickel	25.00	70.54	112	37-141	11	33
Zinc	25.00	444.1	71 NM	32-153	1	37

*= Value outside of QC limits; see narrative
NM= Not Meaningful: Sample concentration > 4X spike concentration
RPD= Relative Percent Difference