CONESTOGA-ROVERS & ASSOCIATES

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TRANSMITTAL

DATE: October 26, 2009

REFERENCE NO.: 631000

PROJECT NAME: 1750 Adams Avenue, San Leandro

TO: Mr. Steven Plunkett
Hazardous Materials Specialist
Alameda County Environmental Health Services (ACEHS)
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

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QUANTITY	DESCRIPTION
1	Second Semi-Annual 2009 Groundwater Monitoring Report

- ☐ As Requested
- ☐ For Your Use
- ☒ For Review and Comment
- ☐
- ☐

COMMENTS:
If you have any questions regarding the contents of this document, please contact Robert Foss at (510) 420-3348.

Copy to: Mr. Matt Bramblett
Ms. Angela Maidment

Completed by: Robert C. Foss [Please Print]

Signed: Robert C. Foss

Filing: Correspondence File

SECOND SEMI-ANNUAL 2009 GROUNDWATER MONITORING REPORT

FORMER GI TRUCKING COMPANY (ESTES EXPRESS LINES)
1750 ADAMS AVENUE
SAN LEANDRO, CALIFORNIA

AGENCY CASE NO. RO00000442

Prepared by:
Conestoga-Rovers & Associates

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OCTOBER 26, 2009
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1.0 INTRODUCTION

Conestoga-Rovers & Associates (CRA) prepared this groundwater monitoring report for the Estes Express Lines site, located at 1750 Davis Avenue, on behalf of Estes Express Lines. Four 12,000-gallon diesel underground storage tanks (USTs) and one 880-gallon used-oil UST were previously operated at the site. The used-oil UST was removed in December 1986 and the diesel USTs were removed in January 1996, with some over-excavation occurring along with the removal of the diesel UST. Investigations and groundwater monitoring began at the site in May 1997. The site is currently owned and operated by Estes Express Lines of Richmond, Virginia as a freight terminal. A vicinity map is presented as Figure 1.

1.1 SITE INFORMATION

Site Address	1750 Davis Avenue, San Leandro, CA
Site Use	Freight Storage and Transfer Facility
Client and Contact	Estes Express Lines, c/o Matt Bramblett (Hart & Hickman, PC)
Consultant and Contact Person	CRA, Robert Foss, P.G.
Lead Agency and Contact	Alameda County Environmental Health Department (ACEH), Steven Plunkett
Agency Case No.	RO00000442

2.0 SITE ACTIVITIES AND RESULTS

2.1 CURRENT QUARTER'S ACTIVITIES

On September 14, 2009, Muskan Environmental Sampling (Muskan) measured depth to groundwater in all wells and collected groundwater samples in wells MW-2, MW-3, MW-5, RW-1 and RW-2 (Figure 2). In a letter dated January 22, 2009, ACEH requested that groundwater monitoring and sampling of all five site wells occur semi-annually during the First and Third Quarters of 2009. Groundwater samples from these wells are analyzed for total petroleum hydrocarbons as gasoline, as diesel, and as motor oil (TPHg, TPHd and TPHmo) by EPA Method 8015B, benzene, toluene, ethylbenzene and xylenes (BTEX) by EPA Method 8021B and naphthalene by EPA Method 8260B. Groundwater monitoring and analytical data are summarized in Table 1 and associated field data sheets are presented as Appendix A. The laboratory analytical report is

presented as Appendix B. CRA's *Standard Field Procedures for Groundwater Monitoring and Sampling* is presented as Appendix C.

2.2 CURRENT EVENT RESULTS

Groundwater Flow Direction	Southeasterly
Hydraulic Gradient	0.012
Average Depth to Water	6.57 ft
Is Free Product Present on Site	Notes on lab report state, "lighter than water immiscible sheen/product is present". However, no separate-phase hydrocarbons (SPH) were detected by interface probe in the field.
Current Remediation Techniques	Monitored Natural Attenuation

During this monitoring and sampling event, depth to groundwater varied from 6.14 (MW-5) to 6.85 (MW-2) feet below grade (fbg). Groundwater flow direction was calculated toward the southeast. The lowest groundwater elevation was recorded in well MW-3. The calculated gradient in this area of the site was approximately 0.012 (Figure 2). The rose diagram included on Figure 2 illustrates historically calculated groundwater flow directions.

The highest TPHd concentration observed during this event was detected in well RW-1, constructed in the former used-oil tankpit, at 100,000 micrograms per liter (µg/l). TPHd was also reported in well RW-2, constructed in the southern section of the former diesel UST tankfield, at 7,200 µg/l. The considerably higher concentrations reported in the groundwater sample collected from well RW-1 compared to RW-2 are a result of leaks from the former used-oil UST, and its proximity to a former damaged diesel dispenser. Figure 2 indicates the location of the former diesel dispenser island. The used-oil tank was deemed to be "damaged beyond repair" by a Xerxes Tank representative in July 1986. The Blymyer Engineers report, dated July 22, 1996, references the UST removal in December 1986 and documents "approximately 3 inches of waste oil on the groundwater surface." Approximately 45 cubic yards of hydrocarbon impacted soil were removed and upon completion of over-excavation it was noted that "diesel fuel was observed flowing into the excavation from the direction of the diesel USTs." This was pumped out on two occasions, leaving only a sheen remaining on the water table. The diesel USTs tested tight in April 1987, so it is suspected that the diesel fuel pumped

from the used-oil excavation "was likely due to releases from past site operations, including a knocked over diesel dispenser which may have damaged one or more product lines, as reported by site workers." The flowing diesel confirms that the used-oil tank excavation is in hydraulic connection with the former diesel tankfield. Despite excavation in this area, along with overexcavation of the tankfield perimeter, residual oil and diesel impacts apparently remain beneath or around the perimeter of the used-oil excavation. Wells MW-2, MW-3 and MW-5 are all completed outside of the former tankpit excavation area. No TPHd above the reporting limit of 50 µg/l was reported in these three wells. TPH as motor oil (TPHmo) was reported at 52,000 (RW-1) and 4,000 µg/l (RW-2), respectively. TPHg was reported only in well RW-1 at 310 µg/l. However, the lab notation associated with well RW-1 states, "strongly aged gasoline or diesel range compounds are significant in the TPHg chromatogram." This suggests that the reported concentration is comprised primarily, if not exclusively, of the lighter compounds of diesel, and not true gasoline compounds. No BTEX compounds were reported in any of the five wells above the reporting limit of 0.5 µg/l. No concentrations of naphthalene above the reporting limit of 0.5 µg/l were detected.

Table 1 lists established RWQCB-Region 2 environmental screening levels (ESLs) for the analyzed constituents. Despite the site's proximity to San Francisco Bay and the commercial/industrial history of the surrounding area, the East Bay Plain Groundwater Sub-Basin underlying this site has been designated as suitable for municipal and domestic use. Table 1 indentifies the ESLs of detected constituents (TPHg, TPHd and TPHmo) "where groundwater is a current of potential drinking water resource" as 100 µg/l. All three TPH-range constituents exceed the established ESLs. However, the future use of the first shallow water bearing zone beneath this site for domestic or municipal use is extremely unlikely. The low probability of future use of the first water bearing zone, along with the slight gradient and consequent low probability of groundwater migration to any private domestic wells in the area, make a comparison of reported concentrations to beneficial use ESLs overly conservative.

3.0 SUGGESTED REDUCTION OF ANALYTES

In a letter dated January 22, 2009, the ACEH requested semi-annual groundwater monitoring and sampling of the five site wells. In addition to historically analyzed parameters (TPHd, TPHg, TPHmo and BTEX), ACEH requested that these groundwater samples be analyzed for naphthalene due to elevated detection limits of compliance sidewall soil samples collected during tankpit over-excavation in June 1999. No detected naphthalene has been reported in any sample during the two 2009 semi-annual sampling events. As a result, CRA recommends the elimination of naphthalene analysis

in future sampling events. TPHg and BTEX analyses have been intermittently conducted on groundwater samples from onsite wells. Samples have been analyzed for TPHg and BTEX in March 2007 and in both 2009 events. Additionally, samples from wells MW-2 and MW-3 were analyzed for TPHg in the Fourth Quarter 1994 and First Quarter 1995. The only reported concentrations above the laboratory reporting limit of 50 µg/l have been in well RW-1 in the three most recent sampling events. These reported concentrations have been 140, 160 and 310 µg/l, respectively, and have all been described with the lab note, "strongly aged gasoline or diesel range compounds are significant in the TPHg chromatogram." This, as stated above, strongly suggests that the reported concentrations represent the presence of diesel, rather than gasoline. CRA recommends the elimination of TPHg analyses based on this reasoning. Finally, CRA suggests the elimination of BTEX analyses also. With the exception of a questionable detection of toluene concentration at 1.2 µg/l, reported in well MW-2 in February 1995, no BTEX constituents have ever been detected above laboratory reporting limits.

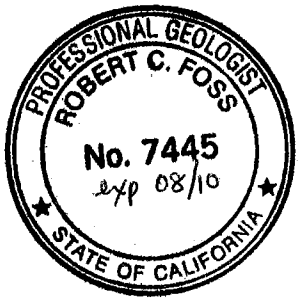
Based on the known history of fuel storage and usage at the site, and the lack of detected constituents, CRA suggests restricting analysis of any future groundwater samples to TPHd and TPHmo only.

4.0 ACTIVITIES PLANNED FOR THE FIRST SEMI-ANNUAL EVENT OF 2010

If ACEH continues to require groundwater sampling and analysis, CRA will coordinate Muskan to gauge water levels and collect samples for the five site wells. CRA will prepare a table summarizing groundwater elevation data and analytical results, as well as a potentiometric map that will be submitted in a monitoring report along with the field data sheets, standard field procedures, laboratory analytical reports and any additional conclusions and recommendations.

All of Which is Respectfully Submitted,
CONESTOGA-ROVERS & ASSOCIATES

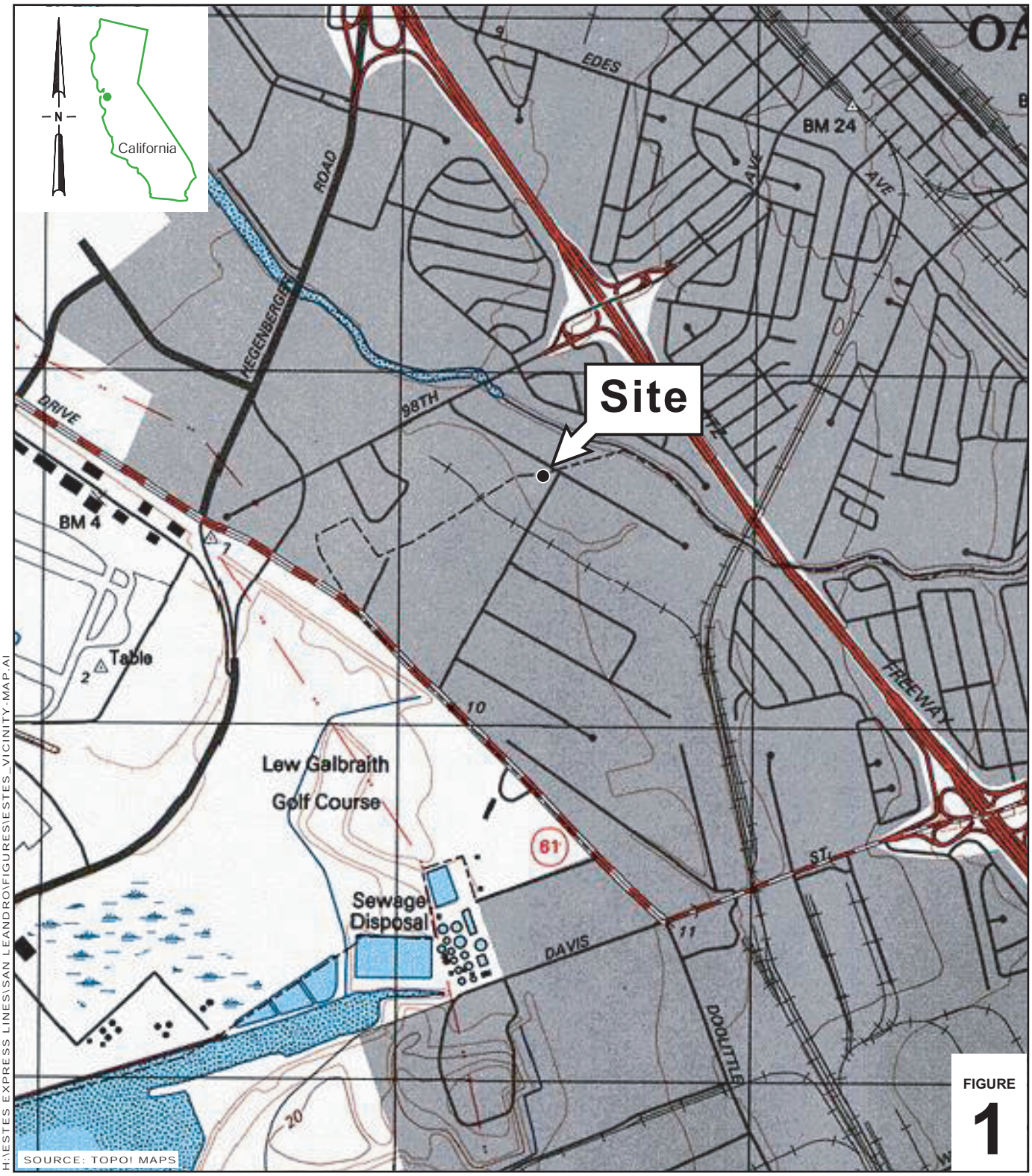
Bryan A. Fong



Robert C. Foss, P.G.

FIGURES

05/11/09



H:\ESTES EXPRESS LINES\SAN LEANDRO\FIGURES\ESTES_VICINITY-MAP.AI

FIGURE
1

0 1/8 1/4 1/2 1

SCALE : 1" = 1/4 MILE

Former GI Trucking Company
(Estes Express Lines)

1750 Adams Avenue

San Leandro, California

CONESTOGA-ROVERS
& ASSOCIATES

Vicinity Map

BIGGE STREET

asphalt

concrete slab

concrete driveway

concrete

Building

Building

concrete

asphalt

electric fence

MW-5
93.46
,50
<50
<0.5
--

?

93.45

93.40

former USTs

Maintenance Building

0.012

MW-4

RW-1 (MW-1)
93.47
100,000
310
<0.5
--

RW-2
--
7,200
<50
<0.5
--

MW-3
93.37
<50
<50
<0.5
--

MW-2
93.39
<50
<50
<0.5
--

concrete

N

0 20 60ft

EXPLANATION

- MW-5 ● Monitoring well location
- MW-4 ✱ Destroyed well location
- XX.XX Groundwater elevation contour, in feet above mean sea level (msl)
- WELL ID — Well designation
- ELEV — Groundwater elevation (msl)
- TPHD, TPHG, BENZ., MTBE — Hydrocarbon concentrations in groundwater, in micrograms per liter (µg/L)
- * RW-2 not surveyed
- 0.03 Groundwater flow direction and gradient
- Storm Drain line
- Sanitary Sewer line
- Water line
- Gas line
- Communications line
- Electrical line
- Utility flow direction

Figure 2

FORMER GI TRUCKING COMPANY
(ESTES EXPRESS LINES)
POTENTIOMETRIC AND HYDROCARBON CONCENTRATION MAP
1750 ADAMS AVENUE
San Leandro, California
September 14, 2009

Basemap modified from drawing provided by Blymyer Engineers, Inc.

631000-007(PRES001)GN-WI001 OCT 22/2009

TABLE

TABLE 1

GROUNDWATER ELEVATION AND ANALYTICAL DATA
ESTES-GI TRUCKING COMPANY
1750 ADAMS AVENUE
SAN LEANDRO, CALIFORNIA

Sample ID / TOC	Date Sampled	Depth to Water (ft btoc)	SPH Thickness (ft)	Groundwater Elevation (arbitrary)	TPHmo	TPHd	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	ETBE	TAME	DIPE	TBA	1,2-DCA	EDB	Ethanol	Napthalene
					Recorded in ug/L															
Final Groundwater ESL (Table E-1), Potential Vapor Intrusion Concerns																				
Residential					NE	use soil gas (Table E)		540	380,000	170,000	160,000	24,000	NE	NE	NE	use soil gas	200	NE	NE	3,200
Commercial/Industrial					NE	use soil gas (Table E)		1,800	530,000	170,000	160,000	80,000	NE	NE	NE	use soil gas	690	NE	NE	11,000
Final Groundwater ESL (Table F-1), Groundwater is a Current or Potential Drinking Water Resource																				
					100	100	100	1.0	40	30	20	5.0	NE	NE	NE	12	0.5	0.05	NE	17
MW-1	11/15/1988	--	0.22	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
100.00	2/16/1989	6.03	0.20	94.13	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/19/1989	6.31	0.20	93.85	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/22/1989	6.72	0.18	93.42	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/21/1989	6.51	Sheen	93.49	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/23/1990	5.74	Sheen	94.26	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/23/1990	6.34	0.15	93.78	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/27/1990	6.27	Sheen	93.73	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/3/1990	6.49	Sheen	93.51	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/13/1991	4.94	Sheen	95.06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/29/1991	9.46	Sheen	90.54	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/28/1991	6.31	0.09	93.76	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/9/1991	6.49	0.20	93.67	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/18/1992	4.19	0.10	95.89	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/15/1992	5.72	0.17	94.42	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/13/1992	6.12	0.19	94.03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/3/1992	5.65	0.10	94.43	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/25/1993	4.60	Sheen	95.40	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/21/1993	5.56	0.09	94.51	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/17/1993	6.07	0.13	94.03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/13/1993	--	Sheen	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/24/1994	4.97	Sheen	95.63	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/11/1994	5.20	Sheen	94.80	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/23/1994	6.06	0.08	94.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/29/1994	5.98	Sheen	94.02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/15/1995	4.93	Sheen	95.07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/18/1995	4.99	Sheen	95.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/16/1995	6.46	Sheen	93.54	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/16/1995	5.21	Sheen	94.79	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/15/1996	4.68	Sheen	95.32	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	July 1996	Well MW-1 Reconstructed as well RW-1																		
RW-1	8/5/1996	6.05	0.35	94.23	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
100.00	2/6/1997	4.40	Sheen	95.60	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/22/1997	4.90	Sheen	95.10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/12/1998	3.18	0.00	96.82	--	89,000	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/27/1998	5.95	Sheen	94.05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 1

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ESTES-GI TRUCKING COMPANY
1750 ADAMS AVENUE
SAN LEANDRO, CALIFORNIA

Sample ID TOC	Date Sampled	Depth to Water (ft btoc)	SPH Thickness (ft)	Groundwater Elevation (arbitrary)	TPHmo	TPHd	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	ETBE	TAME	DIPE	TBA	1,2-DCA	EDB	Ethanol	Napthalene
					Recorded in ug/L															
Final Groundwater ESL (Table E-1), Potential Vapor Intrusion Concerns																				
Residential					**NE**	**use soil gas (Table E)**		**540**	**380,000**	**170,000**	**160,000**	**24,000**	**NE**	**NE**	**NE**	**use soil gas**	**200**	**NE**	**NE**	**3,200**
Commercial/Industrial					**NE**	**use soil gas (Table E)**		**1,800**	**530,000**	**170,000**	**160,000**	**80,000**	**NE**	**NE**	**NE**	**use soil gas**	**690**	**NE**	**NE**	**11,000**
Final Groundwater ESL (Table F-1), Groundwater is a Current or Potential Drinking Water Resource					**100**	**100**	**100**	**1.0**	**40**	**30**	**20**	**5.0**	**NE**	**NE**	**NE**	**12**	**0.5**	**0.05**	**NE**	**17**
	3/4/1999*	4.98	Sheen	95.02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/30/2001	--	Sheen	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/18/2002	6.28	0.00	93.72	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW-1 (cont)	3/13/2003	6.15	0.00	93.85	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/17/2004	5.60	0.00	94.40	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/17/2005	5.39	0.00	94.61		--		--	--	--	--	--	--	--	--	--	--	--	--	--
	3/2/2007	5.22	Sheen	94.78	9,300	16,000 c	140 g	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<50	--
	4/21/2009	5.91	Sheen	94.09	23,000	50,000 c, d	160 b, d	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	<0.5 d
	9/14/2009	**6.53**	**0.00**	93.47	**100,000 a,d**	**52,000 a,d**	**310 b,d**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**<0.5 d**
MW-2	11/15/1988	--	--	--	--	<200	--	--	--	--	--	--	--	--	--	--	--	--	--	--
100.24	2/16/1989	6.13	0.00	94.11	--	<90	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/19/1989	6.24	0.00	94.00	--	<80	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/22/1989	6.68	0.00	93.56	--	<30	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/21/1989	6.64	0.00	93.60	--	<30	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/23/1990	6.04	0.00	94.20	--	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/23/1990	6.40	0.00	93.84	--	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/27/1990	6.70	0.00	93.54	--	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/3/1990	6.83	0.00	93.41	--	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/13/1991	5.64	0.00	94.60	--	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/29/1991	6.31	0.00	93.93	--	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/28/1991	6.68	0.00	93.56	--	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/9/1991	6.69	0.00	93.55	--	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/18/1992	4.96	0.00	95.28	--	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/15/1992	6.07	0.00	94.17	--	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/13/1992	6.42	0.00	93.82	--	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/3/1992	6.25	0.00	93.99	--	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/25/1993	5.40	0.00	94.84	--	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/21/1993	6.04	0.00	94.20	--	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/17/1993	6.42	0.00	93.82	--	<50	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
	12/13/1993	6.09	0.00	94.15	--	<50	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
	2/24/1994	5.57	0.00	94.67	--	<50	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
	5/11/1994	5.94	0.00	94.30	--	<50	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
	8/23/1994	6.44	0.00	93.80	--	<50	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
	11/29/1994	5.82	0.00	94.42	--	90	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
	2/15/1995	5.68	0.00	94.56	<500	100	<50	<0.5	1.2	<0.5	<0.5	--	--	--	--	--	--	--	--	--

TABLE 1

GROUNDWATER ELEVATION AND ANALYTICAL DATA
ESTES-GI TRUCKING COMPANY
1750 ADAMS AVENUE
SAN LEANDRO, CALIFORNIA

Sample ID TOC	Date Sampled	Depth to Water (ft btoc)	SPH Thickness (ft)	Groundwater Elevation (arbitrary)	TPHmo	TPHd	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	ETBE	TAME	DIPE	TBA	1,2-DCA	EDB	Ethanol	Napthalene
					Recorded in ug/L															
Final Groundwater ESL (Table E-1), Potential Vapor Intrusion Concerns																				
Residential					NE	use soil gas (Table E)		540	380,000	170,000	160,000	24,000	NE	NE	NE	use soil gas	200	NE	NE	3,200
Commercial/Industrial					NE	use soil gas (Table E)		1,800	530,000	170,000	160,000	80,000	NE	NE	NE	use soil gas	690	NE	NE	11,000
Final Groundwater ESL (Table F-1), Groundwater is a Current or Potential Drinking Water Resource																				
					100	100	100	1.0	40	30	20	5.0	NE	NE	NE	12	0.5	0.05	NE	17
	5/18/1995	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/16/1995	6.19	0.00	94.05	--	63	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
	11/16/1995	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/15/1996	5.62	0.00	94.62	--	79	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
	8/5/1996	6.22	0.00	94.02	--	100	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
	2/6/1997	5.50	0.00	94.74	--	140	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
MW-2 (cont)	8/22/1997	6.57	0.00	93.67	--	<100	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
	2/12/1998	4.88	0.00	95.36	--	<100	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
	8/27/1998	6.42	0.00	93.82	--	93	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
	3/4/1999*	6.39	0.00	93.85	--	<50	--	<0.5	<0.5	<0.5	<0.5	<5	--	--	--	--	--	--	--	--
	5/30/2001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/18/2002	7.14	0.00	93.10	--	<50	--	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--	--	--	--	--
	3/13/2003	6.64	0.00	93.60	--	<48	--	<0.5	<0.5	<0.5	<0.5	<2.0	--	--	--	--	--	--	--	--
	3/17/2004	6.63	0.00	93.61	--	<500	--	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--	--	--	--	--
	3/17/2005	6.76	0.00	93.48	--	<50	--	<0.5	<0.5	<0.5	<0.5	<5	--	--	--	--	--	--	--	--
	3/2/2007	5.77	0.00	94.47	<250	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<50	--
	4/21/2009	6.38	0.00	93.86	<250	<50	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	<0.5
	9/14/2009	**6.85**	**0.00**	93.39	**<50**	**<250**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**<0.5**
MW-3	11/15/1988	--	--	--	--	<200	--	--	--	--	--	--	--	--	--	--	--	--	--	--
100.22	2/16/1989	6.00	0.00	94.22	--	<90	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/19/1989	6.20	0.00	94.02	--	<80	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/22/1989	6.60	0.00	93.62	--	<30	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/21/1989	6.55	0.00	93.67	--	<30	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/23/1990	5.83	0.00	94.39	--	340	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/23/1990	6.38	0.00	93.84	--	640	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/27/1990	6.67	0.00	93.55	--	410	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/3/1990	6.75	0.00	93.47	--	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/13/1991	5.42	0.00	94.80	--	1,300	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/29/1991	6.28	0.00	93.94	--	540	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/28/1991	6.62	0.00	93.60	--	240	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/9/1991	6.65	0.00	93.57	--	200	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/18/1992	4.73	0.00	95.49	--	890	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/15/1992	5.99	0.00	94.23	--	380	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/13/1992	6.32	0.00	93.90	--	200	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/3/1992	6.23	0.00	93.99	--	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 1

GROUNDWATER ELEVATION AND ANALYTICAL DATA
ESTES-GI TRUCKING COMPANY
1750 ADAMS AVENUE
SAN LEANDRO, CALIFORNIA

Sample ID TOC	Date Sampled	Depth to Water (ft btoc)	SPH Thickness (ft)	Groundwater Elevation (arbitrary)	TPHmo	TPHd	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	ETBE	TAME	DIPE	TBA	1,2-DCA	EDB	Ethanol	Napthalene
					← Recorded in ug/L →															
Final Groundwater ESL (Table E-1), Potential Vapor Intrusion Concerns																				
Residential					NE	use soil gas (Table E)		540	380,000	170,000	160,000	24,000	NE	NE	NE	use soil gas	200	NE	NE	3,200
Commercial/Industrial					NE	use soil gas (Table E)		1,800	530,000	170,000	160,000	80,000	NE	NE	NE	use soil gas	690	NE	NE	11,000
Final Groundwater ESL (Table F-1), Groundwater is a Current or Potential Drinking Water Resource																				
					100	100	100	1.0	40	30	20	5.0	NE	NE	NE	12	0.5	0.05	NE	17
	3/25/1993	5.27	0.00	94.95	--	1,600	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/21/1993	5.97	0.00	94.25	--	720	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/17/1993	6.59	0.00	93.63	--	480	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
	12/13/1993	6.33	0.00	93.89	--	190	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
	2/24/1994	5.76	0.00	94.46	--	380	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
	5/11/1994	5.84	0.00	94.38	--	580	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
	8/23/1994	6.38	0.00	93.84	--	450	--	<0.5	0.6	<0.5	<0.5	--	--	--	--	--	--	--	--	--
MW-3 (cont)	11/29/1994	5.76	0.00	94.46	--	960	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
	2/15/1995	5.60	0.00	94.62	<500	1,700	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
	5/18/1995	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/16/1995	6.11	0.00	94.11	--	1,100	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
	11/16/1995	--	--	--																
	2/15/1996	5.48	0.00	94.74	--	1,300	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
	8/5/1996	6.16	0.00	94.06	--	1,000	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
	2/6/1997	5.36	0.00	94.86	--	2,400	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
	8/22/1997	5.85	0.00	94.37	--	2,000	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
	2/12/1998	4.81	0.00	95.41	--	1,500	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
	8/27/1998	6.25	0.00	93.97	--	410	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
	3/4/1999*	6.14	0.00	94.08	--	330	--	<0.5	<0.5	<0.5	<0.5	17	--	--	--	--	--	--	--	--
	5/30/2001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/18/2002	7.07	0.00	93.15	--	1,100	--	<0.5	<0.5	<0.5	<0.5	3.6/3.1	--	--	--	--	--	--	--	--
	3/13/2003	6.45	0.00	93.77	--	680	--	<0.5	<0.5	<0.5	<0.5	2.9	--	--	--	--	--	--	--	--
	3/17/2004	5.98	0.00	94.24	--	450	--	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--	--	--	--	--
	3/17/2005	5.72	0.00	94.50	--	160	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--
	3/2/2007	5.68	0.00	94.54	<250	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<50	--
	4/21/2009	6.26	0.00	93.96	<250	<50	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	<0.5
	9/14/2009	**6.81**	**0.00**	93.41	**<50**	**<250**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**<0.5**
MW-4	11/15/1988	--	--	--	--	<200	--	--	--	--	--	--	--	--	--	--	--	--	--	--
99.48	2/16/1989	5.92	0.00	93.56	--	<90	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/19/1989	5.25	0.00	94.23	--	<80	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/22/1989	6.76	0.00	92.72	--	<30	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/21/1989	5.72	0.00	93.76	--	<30	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/23/1990	4.92	0.00	94.56	--	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/23/1990	5.39	0.00	94.09	--	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/27/1990	5.66	0.00	93.82	--	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 1

GROUNDWATER ELEVATION AND ANALYTICAL DATA
ESTES-GI TRUCKING COMPANY
1750 ADAMS AVENUE
SAN LEANDRO, CALIFORNIA

Sample ID TOC	Date Sampled	Depth to Water (ft btoc)	SPH Thickness (ft)	Groundwater Elevation (arbitrary)	TPHmo	TPHd	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	ETBE	TAME	DIPE	TBA	1,2-DCA	EDB	Ethanol	Napthalene
					Recorded in ug/L															
Final Groundwater ESL (Table E-1), Potential Vapor Intrusion Concerns																				
Residential					**NE**	**use soil gas (Table E)**		**540**	**380,000**	**170,000**	**160,000**	**24,000**	**NE**	**NE**	**NE**	**use soil gas**	**200**	**NE**	**NE**	**3,200**
Commercial/Industrial					**NE**	**use soil gas (Table E)**		**1,800**	**530,000**	**170,000**	**160,000**	**80,000**	**NE**	**NE**	**NE**	**use soil gas**	**690**	**NE**	**NE**	**11,000**
Final Groundwater ESL (Table F-1), Groundwater is a Current or Potential Drinking Water Resource					**100**	**100**	**100**	**1.0**	**40**	**30**	**20**	**5.0**	**NE**	**NE**	**NE**	**12**	**0.5**	**0.05**	**NE**	**17**
	12/3/1990	5.95	0.00	93.53	--	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/13/1991	4.39	0.00	95.09	--	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/29/1991	5.27	0.00	94.21	--	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/28/1991	5.70	0.00	93.78	--	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/9/1991	5.78	0.00	93.70	--	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/18/1992	3.60	0.00	95.88	--	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/15/1992	5.03	0.00	94.45	--	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/13/1992	5.40	0.00	94.08	--	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/3/1992	5.14	0.00	94.34	--	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4 (cont)	3/25/1993	4.14	0.00	95.34	--	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/21/1993	4.95	0.00	94.53	--	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/17/1993	5.40	0.00	94.08	--	<50	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
	12/13/1993	5.08	0.00	94.40	--	<50	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
	2/24/1994	4.38	0.00	95.10	--	<50	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
	5/11/1994	4.85	0.00	94.63	--	<50	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
	8/23/1994	5.47	0.00	94.01	--	<50	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
	11/29/1994	4.76	0.00	94.72	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/15/1995	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/18/2005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/16/1995	5.16	0.00	94.32	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/16/1995	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/15/1996	4.40	0.00	95.08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/5/1996	5.27	0.00	94.21	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/6/1997	4.26	0.00	-4.26	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/22/1997	5.09	0.00	-5.09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/12/1998	3.58	0.00	-3.58	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/27/1998	5.43	0.00	-5.43	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/4/1999*	5.34	0.00	-5.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	June 1999	←								Well Destroyed										→
MW-5	11/15/1988	--	--	--	--	<200	--	--	--	--	--	--	--	--	--	--	--	--	--	--
99.60	2/16/1989	5.42	0.00	94.18	--	<90	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/19/1989	5.53	0.00	94.07	--	<80	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/22/1989	5.94	0.00	93.66	--	<30	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/21/1989	5.91	0.00	93.69	--	<30	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/23/1990	5.69	0.00	93.91	--	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--

GROUNDWATER ELEVATION AND ANALYTICAL DATA
ESTES-GI TRUCKING COMPANY
1750 ADAMS AVENUE
SAN LEANDRO, CALIFORNIA

Sample ID TOC	Date Sampled	Depth to Water (ft btoc)	SPH Thickness (ft)	Groundwater Elevation (arbitrary)	TPHmo	TPHd	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	ETBE	TAME	DIPE	TBA	1,2-DCA	EDB	Ethanol	Napthalene
					← Recorded in ug/L →															
Final Groundwater ESL (Table E-1), Potential Vapor Intrusion Concerns																				
Residential					NE	use soil gas (Table E)		540	380,000	170,000	160,000	24,000	NE	NE	NE	use soil gas	200	NE	NE	3,200
Commercial/Industrial					NE	use soil gas (Table E)		1,800	530,000	170,000	160,000	80,000	NE	NE	NE	use soil gas	690	NE	NE	11,000
Final Groundwater ESL (Table F-1), Groundwater is a Current or Potential Drinking Water Resource																				
					100	100	100	1.0	40	30	20	5.0	NE	NE	NE	12	0.5	0.05	NE	17
	5/23/1990	5.92	0.00	93.68	--	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/27/1990	6.17	0.00	93.43	--	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/3/1990	6.05	0.00	93.55	--	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/13/1991	5.01	0.00	94.59	--	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/29/1991	5.57	0.00	94.03	--	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/28/1991	5.90	0.00	93.70	--	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/9/1991	5.99	0.00	93.61	--	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/18/1992	4.45	0.00	95.15	--	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/15/1992	5.33	0.00	94.27	--	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/13/1992	5.62	0.00	93.98	--	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/3/1992	5.58	0.00	94.02	--	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5 (cont)	3/25/1993	4.34	0.00	95.26	--	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/21/1993	5.28	0.00	94.32	--	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/17/1993	5.61	0.00	93.99	--	<50	--	<0.05	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
	12/13/1993	5.38	0.00	94.22	--	<50	--	<0.05	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
	2/24/1994	4.90	0.00	94.70	--	<50	--	<0.05	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
	5/11/1994	5.23	0.00	94.37	--	<50	--	<0.05	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
	8/23/1994	5.70	0.00	93.90	--	<50	--	<0.05	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
	11/29/1994	5.12	0.00	94.48	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/15/1995	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/18/2005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/16/1995	5.47	0.00	94.13	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/16/1995	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/15/1996	4.90	0.00	94.70	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/5/1996	5.50	0.00	94.10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/6/1997	4.80	0.00	94.80	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/22/1997	6.37	0.00	93.23	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/12/1998	4.32	0.00	95.28	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/27/1998	5.77	0.00	93.83	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/4/1999*	5.88	0.00	93.72	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/18/2002	5.97	0.00	93.63	--	61	--	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--	--	--	--	--
	3/13/2003	5.77	0.00	93.83	--	<47	--	<0.5	<0.5	<0.5	<0.5	<2.0	--	--	--	--	--	--	--	--
	3/17/2004	5.37	0.00	94.23	--	<50	--	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--	--	--	--	--
	3/17/2005	5.23	0.00	94.37	--	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--
	3/2/2007	5.12	0.00	94.48	<250	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<50	--
	4/21/2009	5.65	0.00	93.95	<250	<50	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	<0.5

TABLE 1

GROUNDWATER ELEVATION AND ANALYTICAL DATA
ESTES-GI TRUCKING COMPANY
1750 ADAMS AVENUE
SAN LEANDRO, CALIFORNIA

Sample ID / TOC	Date Sampled	Depth to Water (ft btoc)	SPH Thickness (ft)	Groundwater Elevation (arbitrary)	TPHmo	TPHd	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	ETBE	TAME	DIPE	TBA	1,2-DCA	EDB	Ethanol	Napthalene
					Recorded in ug/L															
Final Groundwater ESL (Table E-1), Potential Vapor Intrusion Concerns																				
Residential					NE	use soil gas (Table E)		540	380,000	170,000	160,000	24,000	NE	NE	NE	use soil gas	200	NE	NE	3,200
Commercial/Industrial					NE	use soil gas (Table E)		1,800	530,000	170,000	160,000	80,000	NE	NE	NE	use soil gas	690	NE	NE	11,000
Final Groundwater ESL (Table F-1), Groundwater is a Current or Potential Drinking Water Resource					100	100	100	1.0	40	30	20	5.0	NE	NE	NE	12	0.5	0.05	NE	17
	9/14/2009	**6.14**	**0.00**	93.46	**<50**	**<250**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**<0.5**
RW-2	8/5/1996	6.02	0.31	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
not surveyed	2/6/1997	4.41	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/22/1997	4.88	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/12/1998	3.21	0.00	--	--	100,000	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
	8/27/1998	5.92	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/4/1999*	4.95	0.00	--	--	74,000	--	<1.0	<1.0	<1.0	<1.0	<10	--	--	--	--	--	--	--	--
	5/30/2001	--	0.00	--	--	9,000	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
	6/18/2002	6.30	0.00	--	--	280,000	--	<10	<10	<10	<10	<50	--	--	--	--	--	--	--	--
	3/13/2003	6.11	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/17/2004	5.58	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/17/2005	5.30	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/2/2007	5.21	0.00	--	2,500	5,500 c	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<50	--
	4/21/2009	5.88	Sheen	--	3,000	6,000 c, d	<50 d	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	<0.5 d
	9/14/2009	**6.54**	**0.00**	**--**	**7,200 c,d**	**4,000 c,d**	**<50 d**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**<0.5 d**

Abbreviations and Notes:

TOC = elevation of the top of casing relative to an abritraty elevation from well RW-1's TOC (100.00 ft)
ft btoc = measured in feet below top of casing
SPH = separate phase hydrocarbons or non-aqueous phase liquid (NAPL)
ug/L = micrograms per liter
Sheen = non-measurable SPH sheen observed
-- = Not measured, not analyzed, not applicable
TPHd = total petroleum hydrocarbons as diesel analyzed by modified EPA Method 8015; beginning 3/2/2007 analyzed by EPA Method 8015C with silica gel cleanup
TPHmo = total petroleum hydrocarbons as motor oil analyzed by EPA Method 8015C with silica gel clenaup
TPHg = total petroleum hydrocarbons as gasoline analyzed by EPA Method 8015C
BTEX = benzene, toluene, ethylbenzene, xylenes analyzed by EPA Method 8020/8021B; beginning 3/2/2007 analyzed by EPA Method 8260B
MTBE = methyl tertiary-butyl ether analyzed by EPA Method 8020/8021B; beginning 3/2/2007 analyzed by EPA Method 8260B
ETBE = ethyl tertiary-butyl ether analyzed by EPA Method 8260B
TAME = tertiary-amyl methyl ether analyzed by EPA Method 8260B
DIPE = di-isopropyl ether analyzed by EPA Method 8260B
TBA = tertiary butyl alcohol analyzed by EPA Method 8260B
1,2-DCA = one, two-dichloroethane analyzed by EPA Method 8260B
EDB = ethylene dibromide analyzed by EPA Method 8260B
Ethanol analyzed by EPA Method 8260B

TABLE 1

GROUNDWATER ELEVATION AND ANALYTICAL DATA
ESTES-GI TRUCKING COMPANY
1750 ADAMS AVENUE
SAN LEANDRO, CALIFORNIA

Sample ID *TOC*	*Date Sampled*	*Depth to Water (ft btoc)*	*SPH Thickness (ft)*	*Groundwater Elevation (arbitrary)*	*TPHmo*	*TPHd*	*TPHg*	*Benzene*	*Toluene*	*Ethylbenzene*	*Xylenes*	*MTBE*	*ETBE*	*TAME*	*DIPE*	*TBA*	*1,2-DCA*	*EDB*	*Ethanol*	*Napthalene*
					← *Recorded in ug/L* →															
Final Groundwater ESL (Table E-1), Potential Vapor Intrusion Concerns																				
Residential					**NE**	**use soil gas (Table E)**		**540**	**380,000**	**170,000**	**160,000**	**24,000**	**NE**	**NE**	**NE**	**use soil gas**	**200**	**NE**	**NE**	**3,200**
Commercial/Industrial					**NE**	**use soil gas (Table E)**		**1,800**	**530,000**	**170,000**	**160,000**	**80,000**	**NE**	**NE**	**NE**	**use soil gas**	**690**	**NE**	**NE**	**11,000**
Final Groundwater ESL (Table F-1), Groundwater is a Current or Potential Drinking Water Resource																				
					100	**100**	**100**	**1.0**	**40**	**30**	**20**	**5.0**	**NE**	**NE**	**NE**	**12**	**0.5**	**0.05**	**NE**	**17**

* = data collected on March 4 & 11, 1999
a = unmodified or weakly modified diesel is significant
b = strongly aged gasoline or diesel range compounds are significant in the gasoline chromatogram
c = aged diesel (?) is significant
d = lighter than water immisible sheen/product is present

APPENDIX A

FIELD DATA SHEETS

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL GAUGING SHEET

Client: Conestoga-Rovers and Associates

Site Address: 1750 Adams Avenue, San Leandro, CA

Date: 9/14/2009 **Signature:**

Well ID	Time	Depth to SPH	Depth to Water	SPH Thickness	Depth to Bottom	Comments
MW-2	10:40		6.85		23.19	RW-1 DTW in 4" Casing = 6.53 DTW in 12" casing = 6.50 DTB in 12" casing = 10.25 Removed skimmer befor gauging
MW-3	10:45		6.81		20.63	
MW-5	10:35		6.14		21.55	
RW-1	10:55		6.53		10.25	
RW-2	10:50		6.54		12.15	

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL SAMPLING FORM

Date:	9/14/2009
Client:	Conestoga-Rovers and Associates
Site Address:	1750 Adams Avenue, San Leandro, CA
Well ID:	MW-2
Well Diameter:	2"
Purging Device:	Disposable Bailer
Sampling Method:	Disposable Bailer

Total Well Depth:	23.19
Depth to Water:	6.85
Water Column Height:	16.34
Gallons/ft:	0.16
1 Casing Volume (gal):	2.61
3 Casing Volumes (gal):	7.83

Fe=	**mg/L**
ORP=	**mV**
DO=	**mg/L**

COMMENTS: very turbid, silty

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS)
11:45	3.0	20.9	7.75	727
11:50	6.0	20.1	7.68	731
11:55	8.0	19.8	7.75	725

Sample ID:	Sample Date:	Sample Time:	Container Type	Preservative	Analytes	Method
MW-2	9/14/09	12:00	1L Amber, 40 ml VOA	HCl, ICE	TPHd, TPHmo, TPHg, BTEX, Napthalene	8015, 8021, 8260
				Signature:		

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL SAMPLING FORM

Date:	9/14/2009
Client:	Conestoga-Rovers and Associates
Site Address:	1750 Adams Avenue, San Leandro, CA
Well ID:	MW-3
Well Diameter:	2"
Purging Device:	Disposable Bailey
Sampling Method:	Disposable Bailer

Total Well Depth:	20.63	**Fe=**	**mg/L**
Depth to Water:	6.81	**ORP=**	**mV**
Water Column Height:	13.82	**DO=**	**mg/L**
Gallons/ft:	0.16		
1 Casing Volume (gal):	2.21		
3 Casing Volumes (gal):	6.63		

COMMENTS: very turbid, very silty

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS)
12:15	2.5	21.7	7.04	700
12:20	5.0	21.7	7.11	709
12:25	6.5	21.7	7.13	720

Sample ID:	Sample Date:	Sample Time:	Container Type	Preservative	Analytes	Method
MW-3	9/14/09	12:30	1L Amber, 40 ml VOA	HCl, ICE	TPHd, TPHmo, TPHg, BTEX, Napthalene	8015, 8021, 8260
				Signature:		

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL SAMPLING FORM

Date:	9/14/2009
Client:	Conestoga-Rovers and Associates
Site Address:	1750 Adams Avenue, San Leandro, CA
Well ID:	MW-5
Well Diameter:	2"
Purging Device:	Disposable Bailer
Sampling Method:	Disposable Bailer

Total Well Depth:	21.55
Depth to Water:	6.14
Water Column Height:	15.41
Gallons/ft:	0.16
1 Casing Volume (gal):	2.46
3 Casing Volumes (gal):	7.38

Fe=	**mg/L**
ORP=	**mV**
DO=	**mg/L**

COMMENTS: very turbid, silty

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS)
11:15	2.5	21.4	7.19	783
11:20	5.0	21.7	7.20	777
11:25	7.0	21.0	7.19	785

Sample ID:	Sample Date:	Sample Time:	Container Type	Preservative	Analytes	Method
MW-5	9/14/09	11:30	1L Amber, 40 ml VOA	HCl, ICE	TPHd, TPHmo, TPHg, BTEX, Napthalene	8015, 8021, 8260
				Signature:		

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL SAMPLING FORM

Date:	9/14/2009
Client:	Conestoga-Rovers and Associates
Site Address:	1750 Adams Avenue, San Leandro, CA
Well ID:	RW-1
Well Diameter:	4"
Purging Device:	Disposable Bailer
Sampling Method:	Disposable Bailer

Total Well Depth:	10.25
Depth to Water:	6.53
Water Column Height:	3.72
Gallons/ft:	0.65
1 Casing Volume (gal):	2.41
3 Casing Volumes (gal):	7.23

Fe=	**mg/L**
ORP=	**mV**
DO=	**mg/L**

COMMENTS: very turbid, silty

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS)
1:15	2.5	19.1	7.78	470
1:20	5.0	19.4	7.71	451
1:25	7.0	19.6	7.79	471

Sample ID:	Sample Date:	Sample Time:	Container Type	Preservative	Analytes	Method
RW-1	9/14/09	1:30	1L Amber, 40 ml VOA	HCl, ICE	TPHd, TPHmo, TPHg, BTEX, Napthalene	8015, 8021, 8260
				Signature:		

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL SAMPLING FORM

Date:	9/14/2009
Client:	Conestoga-Rovers and Associates
Site Address:	1750 Adams Avenue, San Leandro, CA
Well ID:	RW-2
Well Diameter:	4"
Purging Device:	Disposable Bailer
Sampling Method:	Disposable Bailer

Total Well Depth:	12.15	**Fe=**	**mg/L**
Depth to Water:	6.54	**ORP=**	**mV**
Water Column Height:	5.61	**DO=**	**mg/L**
Gallons/ft:	0.65		
1 Casing Volume (gal):	3.64	**COMMENTS:** very turbid, very silty	
3 Casing Volumes (gal):	10.92		

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS)
12:45	3.5	21.0	7.14	558
12:50	7.0	21.5	7.16	509
12:55	11.0	21.7	7.12	505

Sample ID:	Sample Date:	Sample Time:	Container Type	Preservative	Analytes	Method
RW-2	9/14/09	1:00	1L Amber, 40 ml VOA	HCl, ICE	TPHd, TPHmo, TPHg, BTEX, Napthalene	8015, 8021, 8260
				Signature:		

McCAMPBELL ANALYTICAL, INC.

1534 WILLOW PASS ROAD
PITTSBURG, CA 94565-1701
Website: www.mccampbell.com Email: main@mccampbell.com
Telephone: (877) 252-9262 Fax: (925) 252-9269

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ RUSH ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAY

GeoTracker EDF ☒ **PDF** ☐ **Excel** ☐ **Write On (DW)** ☐

☐ Check if sample is effluent and "J" flag is required

Report To: Bob Foss **Bill To:** Conestoga-Rovers & Associates

Company: Conestoga-Rovers & Associates
5900 Hollis St., Ste A
Emeryville, CA

E-Mail: bfoss@craworld.com
dlee@craworld.com

Tele: (510) 420-3348 **Fax:** (510) 420-9170

Project #: 631000 **Project Name:** Estes GI Trucking Company

Project Location: 1750 Adams Ave, San Leandro, CA

Sampler Signature: Muskan Environmental Sampling LL

SAMPLE ID	LOCATION/ Field Point Name	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX: Water	Soil	Air	Sludge	Other	METHOD PRESERVED: ICE	HCL	HNO_3	Other	BTEX & TPH as Gas (602 / 8021 + 8015) with Silica Gel cleanup	TPH as Diesel (8015) with Silica Gel cleanup	Total Petroleum Oil & Grease (1664 / 5520 E/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 502.2 / 601 / 8010 / 8021 (HVOCs)	MTBE / BTEX ONLY (EPA 602 / 8021)	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ONLY; Aroclors / Congeners	EPA 507 / 8141 (NP Pesticides)	EPA 515 / 8151 (Acidic Cl Herbicides)	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.7 / 200.8 / 6010 / 6020)	LUFT 5 Metals (200.7 / 200.8 / 6010 / 6020)	Lead (200.7 / 200.8 / 6010 / 6020)	Other: Naphthalene by 8260B	Comments
MW-2		9-14-09	12:00	4	VOA Amb	X					X	X			X	X															X	
MW-3			12:30																													
MW-5			11:30																													
RW-1			1:30																													
RW-2			1:00																												X	
TB			—	1	VOA	X					X	X																				Hold

Relinquished By:	Date:	Time:	Received By:
	9/14/09	3:15pm	
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/t°_____ COMMENTS:
GOOD CONDITION_____
HEAD SPACE ABSENT_____
DECHLORINATED IN LAB_____
APPROPRIATE CONTAINERS_____
PRESERVED IN LAB_____

	VOAS	O&G	METALS	OTHER
PRESERVATION			pH<2	

APPENDIX B

LABORATORY ANALYTICAL REPORT S

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

Conestoga-Rovers & Associates 5900 Hollis St, Suite A Emeryville, CA 94608	Client Project ID: #631000; Estes-GI Trucking Company	Date Sampled: 09/14/09
		Date Received: 09/14/09
	Client Contact: Bob Foss	Date Reported: 09/21/09
	Client P.O.:	Date Completed: 09/21/09

WorkOrder: 0909379

September 21, 2009

Dear Bob:

Enclosed within are:

1) The results of the **5** analyzed samples from your project: **#631000; Estes-GI Trucking Compa**
2) A QC report for the above samples,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing

McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

0909379

McCAMPBELL ANALYTICAL, INC.

1534 WILLOW PASS ROAD
PITTSBURG, CA 94565-1701
Website: www.mccampbell.com Email: main@mccampbell.com
Telephone: (877) 252-9262 Fax: (925) 252-9269

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ RUSH ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAY

GeoTracker EDF ☒ PDF ☐ Excel ☐ Write On (DW) ☐

☐ Check if sample is effluent and "J" flag is required

Report To: Bob Foss	Bill To: Conestoga-Rovers & Associates
Company: Conestoga-Rovers & Associates, 5900 Hollis St., Ste A, Emeryville, CA	E-Mail: bfoss@craworld.com, cbee@craworld.com
Tele: (510) 420-3348	Fax: (510) 420-9170
Project #: 631001	Project Name: Estes GJ Trucking Company
Project Location: 1750 Adams Ave, San Leandro, CA	
Sampler Signature: Muskan Environmental Sampling LL	

SAMPLE ID	LOCATION/ Field Point Name	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	Soil	Air	Sludge	Other	METHOD PRESERVED ICE	HCL	HNO_3	Other
+ MW-2		9-14-09	12:00	4	VOA Amb	X					X	X		
+ MW-3			12:30											
+ MW-5			11:30											
+ RW-1			1:30											
+ RW-2			1:00	*	*									
✓ TB		*	—	1	VOA	X					X	X		

Analysis Request

BTEX & TPH as Gas (602 / 8021 + 8015) [illegible]	TPH as Diesel (8015)	Total Petroleum Oil & Grease (1664 / 5520 E/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 502.2 / 601 / 8010 / 8021 (HVOCs)	MTBE / BTEX ONLY (EPA 602 / 8021)	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ONLY; Aroclors / Congeners	EPA 507 / 8141 (NP Pesticides)	EPA 515 / 8151 (Acidic Cl Herbicides)	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.7 / 200.8 / 6010 / 6020)	LUFT 5 Metals (200.7 / 200.8 / 6010 / 6020)	Lead (200.7 / 200.8 / 6010 / 6020)
X	X														
X	X														

Other: Naphthalene by 8260B

Comments: Filter Samples for Metals analysis: Yes / No

Hold

	Date:	Time:	Received By:
Relinquished By:	9/14/09	3:15pm	
Relinquished By:			
Relinquished By:			

ICE/t° 6.0°c
GOOD CONDITION ✓
HEAD SPACE ABSENT ✓
DECHLORINATED IN LAB
APPROPRIATE CONTAINERS ✓
PRESERVED IN LAB

PRESERVATION VOAS ✓ O&G METALS OTHER ✓ pH<2

COMMENTS:

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0909379 **ClientCode: CETE**

☐ WaterTrax ☐ WriteOn ☑ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Bob Foss
Conestoga-Rovers & Associates
5900 Hollis St, Suite A
Emeryville, CA 94608
(510) 420-3309 FAX (510) 420-9170

Email: bfoss@craworld.com, chee@craworld.c
cc:
PO:
ProjectNo: #631000; Estes-GI Trucking Company

Bill to:
Accounts Payable
Conestoga-Rovers & Associates
5900 Hollis St, Ste. A
Emeryville, CA 94608

Requested TAT: 5 days

Date Received: **09/14/2009**
Date Printed: **09/14/2009**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
0909379-001	MW-2	Water	9/14/2009 12:00	☐	C	A	A	B								
0909379-002	MW-3	Water	9/14/2009 12:30	☐	C	A		B								
0909379-003	MW-5	Water	9/14/2009 11:30	☐	C	A		B								
0909379-004	RW-1	Water	9/14/2009 13:30	☐	C	A		B								
0909379-005	RW-2	Water	9/14/2009 13:00	☐	C	A		B								

Test Legend:

1	8260VOC_W	2	G-MBTEX_W	3	PREDF REPORT	4	TPH(DMO)WSG_W	5	
6		7		8		9		10	
11		12							

Prepared by: Melissa Valles

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

Sample Receipt Checklist

Client Name: **Conestoga-Rovers & Associates**

Date and Time Received: **9/14/2009 4:55:16 PM**

Project Name: **#631000; Estes-GI Trucking Company**

Checklist completed and reviewed by: Melissa Valles

WorkOrder N°: **0909379** Matrix Water

Carrier: Client Drop-In

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☑	No ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp: 6°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☑	No ☐	No VOA vials submitted ☐
Sample labels checked for correct preservation?	Yes ☑	No ☐	
TTLC Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑
Samples Received on Ice?	Yes ☑	No ☐	

(Ice Type: WET ICE)

** NOTE: If the "No" box is checked, see comments below.*

Client contacted: Date contacted: Contacted by:

Comments:

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Conestoga-Rovers & Associates	Client Project ID: #631000; Estes-GI Trucking Company	Date Sampled: 09/14/09
		Date Received: 09/14/09
5900 Hollis St, Suite A	Client Contact: Bob Foss	Date Extracted: 09/15/09
Emeryville, CA 94608	Client P.O.:	Date Analyzed 09/15/09

Napthalene by P&T and GC/MS*

Extraction method SW5030B Analytical methods SW8260B Work Order: 0909379

Lab ID	Client ID	Matrix	Naphthalene	DF	% SS	Comments
001C	MW-2	W	ND	1	80	
002C	MW-3	W	ND	1	80	
003C	MW-5	W	ND	1	78	
004C	RW-1	W	ND	1	82	b6
005C	RW-2	W	ND	1	81	b6

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	0.5	µg/L
	S	NA	NA

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

b6) lighter than water immiscible sheen/product is present

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
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Telephone: 877-252-9262 Fax: 925-252-9269

Conestoga-Rovers & Associates	Client Project ID: #631000; Estes-GI Trucking Company	Date Sampled: 09/14/09
		Date Received: 09/14/09
5900 Hollis St, Suite A	Client Contact: Bob Foss	Date Extracted: 09/15/09-09/17/09
Emeryville, CA 94608	Client P.O.:	Date Analyzed: 09/15/09-09/17/09

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method: SW5030B Analytical methods: SW8021B/8015Bm Work Order: 0909379

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS	Comments
001A	MW-2	W	ND	---	ND	ND	ND	ND	1	104	
002A	MW-3	W	ND	---	ND	ND	ND	ND	1	98	
003A	MW-5	W	ND	---	ND	ND	ND	ND	1	101	
004A	RW-1	W	310	---	ND	ND	ND	ND	1	95	d7,b6
005A	RW-2	W	ND	---	ND	ND	ND	ND	1	96	b6

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	5.0	0.5	0.5	0.5	0.5	µg/L
	S	1.0	0.05	0.005	0.005	0.005	0.005	mg/Kg

* water and vapor samples are reported in ug/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts in mg/L.

cluttered chromatogram; sample peak coelutes w/surrogate peak; low surrogate recovery due to matrix interference.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

b6) lighter than water immiscible sheen/product is present
d7) strongly aged gasoline or diesel range compounds are significant in the TPH(g) chromatogram

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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Telephone: 877-252-9262 Fax: 925-252-9269

Conestoga-Rovers & Associates	Client Project ID: #631000; Estes-GI Trucking Company	Date Sampled: 09/14/09
		Date Received: 09/14/09
5900 Hollis St, Suite A	Client Contact: Bob Foss	Date Extracted: 09/14/09
Emeryville, CA 94608	Client P.O.:	Date Analyzed: 09/18/09-09/19/09

Total Extractable Petroleum Hydrocarbons with Silica Gel Clean-Up*

Extraction method: SW3510C/3630C Analytical methods: SW8015B Work Order: 0909379

Lab ID	Client ID	Matrix	TPH-Diesel (C10-C23)	TPH-Motor Oil (C18-C36)	DF	% SS	Comments
0909379-001B	MW-2	W	ND	ND	1	96	
0909379-002B	MW-3	W	ND	ND	1	99	
0909379-003B	MW-5	W	ND	ND	1	102	
0909379-004B	RW-1	W	100,000	52,000	50	90	e1,b6
0909379-005B	RW-2	W	7200	4000	1	99	e3,b6

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	250	µg/L
	S	NA	NA	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

#) cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract; &) low or no surrogate due to matrix interference.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

b6) lighter than water immiscible sheen/product is present
e1) unmodified or weakly modified diesel is significant
e3) aged diesel is significant

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 45709 WorkOrder: 0909379

EPA Method SW8260B **Extraction SW5030B** **Spiked Sample ID: 0909360-005B**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
tert-Amyl methyl ether (TAME)	ND<1.0	10	89.2	85.9	3.83	89.3	91.5	2.36	70 - 130	30	70 - 130	30
Benzene	ND<1.0	10	98.9	94.7	4.30	111	114	2.78	70 - 130	30	70 - 130	30
t-Butyl alcohol (TBA)	230	50	83	86.5	1.12	87.1	92.9	6.39	70 - 130	30	70 - 130	30
Chlorobenzene	ND<1.0	10	88.7	84.7	4.59	102	105	3.29	70 - 130	30	70 - 130	30
1,2-Dibromoethane (EDB)	ND<1.0	10	83.4	80.3	3.90	99.7	103	3.68	70 - 130	30	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND<1.0	10	94.6	89.5	5.49	101	103	1.25	70 - 130	30	70 - 130	30
1,1-Dichloroethene	ND<1.0	10	108	104	4.49	106	109	3.24	70 - 130	30	70 - 130	30
Diisopropyl ether (DIPE)	ND<1.0	10	114	109	4.62	114	118	3.53	70 - 130	30	70 - 130	30
Ethyl tert-butyl ether (ETBE)	ND<1.0	10	104	99.5	4.06	102	107	4.29	70 - 130	30	70 - 130	30
Methyl-t-butyl ether (MTBE)	ND<1.0	10	105	102	3.02	101	105	3.09	70 - 130	30	70 - 130	30
Toluene	ND<1.0	10	86.7	82.5	5.03	104	108	3.91	70 - 130	30	70 - 130	30
Trichloroethene	ND<1.0	10	101	96.1	4.62	109	112	2.49	70 - 130	30	70 - 130	30
%SS1:	99	25	99	99	0	77	77	0	70 - 130	30	70 - 130	30
%SS2:	103	25	101	101	0	101	102	0.998	70 - 130	30	70 - 130	30
%SS3:	84	2.5	82	82	0	97	100	3.26	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 45709 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0909379-001C	09/14/09 12:00 PM	09/15/09	09/15/09 3:14 PM	0909379-002C	09/14/09 12:30 PM	09/15/09	09/15/09 3:58 PM
0909379-003C	09/14/09 11:30 AM	09/15/09	09/15/09 4:42 PM	0909379-004C	09/14/09 1:30 PM	09/15/09	09/15/09 5:25 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

DHS ELAP Certification 1644

QA/QC Officer

McCampbell Analytical, Inc.
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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 45823 WorkOrder: 0909379

EPA Method SW8260B **Extraction SW5030B** **Spiked Sample ID: 0909380-002B**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
tert-Amyl methyl ether (TAME)	ND	10	84	86.8	3.21	90.4	91.1	0.748	70 - 130	30	70 - 130	30
Benzene	ND	10	98.6	103	4.83	113	111	1.23	70 - 130	30	70 - 130	30
t-Butyl alcohol (TBA)	ND	50	89.4	94.1	5.13	95.3	91.4	4.15	70 - 130	30	70 - 130	30
Chlorobenzene	ND	10	91.1	94.5	3.66	103	102	1.03	70 - 130	30	70 - 130	30
1,2-Dibromoethane (EDB)	ND	10	95.9	98.8	2.97	104	101	2.69	70 - 130	30	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	10	91.5	95	3.70	101	101	0	70 - 130	30	70 - 130	30
1,1-Dichloroethene	ND	10	94.6	100	5.55	110	106	4.28	70 - 130	30	70 - 130	30
Diisopropyl ether (DIPE)	ND	10	103	107	4.57	117	117	0	70 - 130	30	70 - 130	30
Ethyl tert-butyl ether (ETBE)	ND	10	94.6	96.6	2.10	105	104	0.949	70 - 130	30	70 - 130	30
Methyl-t-butyl ether (MTBE)	2.5	10	95.1	96.7	1.35	105	103	2.36	70 - 130	30	70 - 130	30
Toluene	ND	10	95.5	99.5	4.11	108	106	1.37	70 - 130	30	70 - 130	30
Trichloroethene	ND	10	98.3	103	5.14	110	110	0	70 - 130	30	70 - 130	30
%SS1:	77	25	76	77	1.14	76	77	1.83	70 - 130	30	70 - 130	30
%SS2:	98	25	97	97	0	97	97	0	70 - 130	30	70 - 130	30
%SS3:	91.9776	2.5	93	98	5.28	95	95	0	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 45823 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0909379-005C	09/14/09 1:00 PM	09/15/09	09/15/09 6:09 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

DHS ELAP Certification 1644


QA/QC Officer

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QC SUMMARY REPORT FOR SW8021B/8015Bm

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 45822 WorkOrder: 0909379

EPA Method SW8021B/8015Bm **Extraction SW5030B** **Spiked Sample ID: 0909379-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	60	106	103	2.40	126	113	11.1	70 - 130	20	70 - 130	20
MTBE	ND	10	105	102	2.61	106	98.2	7.45	70 - 130	20	70 - 130	20
Benzene	ND	10	99.1	104	5.14	91.8	89.2	2.91	70 - 130	20	70 - 130	20
Toluene	ND	10	97.3	102	5.22	98.2	87.9	11.1	70 - 130	20	70 - 130	20
Ethylbenzene	ND	10	96.7	101	4.87	89.3	87.1	2.54	70 - 130	20	70 - 130	20
Xylenes	ND	30	98.1	103	4.72	90.2	87.7	2.82	70 - 130	20	70 - 130	20
%SS:	104	10	97	99	2.57	106	96	10.5	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 45822 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0909379-001A	09/14/09 12:00 PM	09/17/09	09/17/09 2:28 PM	0909379-002A	09/14/09 12:30 PM	09/16/09	09/16/09 5:47 PM
0909379-003A	09/14/09 11:30 AM	09/16/09	09/16/09 2:06 AM	0909379-004A	09/14/09 1:30 PM	09/17/09	09/17/09 2:13 AM
0909379-005A	09/14/09 1:00 PM	09/15/09	09/15/09 5:05 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = matrix interference and/or analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content, or inconsistency in sample containers.

DHS ELAP Certification 1644

QA/QC Officer

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"When Quality Counts"

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QC SUMMARY REPORT FOR SW8015B

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 45772 WorkOrder 0909379

EPA Method SW8015B **Extraction SW3510C/3630C** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH-Diesel (C10-C23)	N/A	1000	N/A	N/A	N/A	84.6	84.8	0.239	N/A	N/A	70 - 130	30
%SS:	N/A	2500	N/A	N/A	N/A	83	83	0	N/A	N/A	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 45772 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0909379-001B	09/14/09 12:00 PM	09/14/09	09/18/09 1:09 AM	0909379-002B	09/14/09 12:30 PM	09/14/09	09/18/09 2:17 AM
0909379-003B	09/14/09 11:30 AM	09/14/09	09/18/09 3:25 AM	0909379-004B	09/14/09 1:30 PM	09/14/09	09/19/09 4:11 AM
0909379-005B	09/14/09 1:00 PM	09/14/09	09/18/09 7:59 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification 1644

QA/QC Officer

APPENDIX C

STANDARD FIELD PROCEDURES

Conestoga-Rovers & Associates

STANDARD FIELD PROCEDURES FOR GROUNDWATER MONITORING AND SAMPLING

This document presents standard field methods for groundwater monitoring, purging and sampling, and well development. These procedures are designed to comply with Federal, State and local regulatory guidelines. Cambria's specific field procedures are summarized below.

Groundwater Elevation Monitoring

Prior to performing monitoring activities, the historical monitoring and analytical data of each monitoring well shall be reviewed to determine if any of the wells are likely to contain non-aqueous phase liquid (NAPL) and to determine the order in which the wells will be monitored (i.e. cleanest to dirtiest). Groundwater monitoring should not be performed when the potential exists for surface water to enter the well (i.e. flooding during a rainstorm).

Prior to monitoring, each well shall be opened and the well cap removed to allow water levels to stabilize and equilibrate. The condition of the well box and well cap shall be observed and recommended repairs noted. Any surface water that may have entered and flooded the well box should be evacuated prior to removing the well cap. In wells with no history of NAPL, the static water level and total well depth shall be measured to the nearest 0.01 foot with an electronic water level meter. Wells with the highest contaminant concentrations shall be measured last. In wells with a history of NAPL, the NAPL level/thickness and static water level shall be measured to the nearest 0.01 foot using an electronic interface probe. The water level meter and/or interface probe shall be thoroughly cleaned and decontaminated at the beginning of the monitoring event and between each well. Monitoring equipment shall be washed using soapy water consisting of Liqui-nox™ or Alconox™ followed by one rinse of clean tap water and then two rinses of distilled water.

Groundwater Purging and Sampling

Prior to groundwater purging and sampling, the historical analytical data of each monitoring well shall be reviewed to determine the order in which the wells should be purged and sampled (i.e. cleanest to dirtiest). No purging or groundwater sampling shall be performed on wells with a measurable thickness of NAPL or floating NAPL globules. If a sheen is observed, the well should be purged and a groundwater sample collected only if no NAPL is present. Wells shall be purged either by hand using a disposal or PVC bailer or by using an aboveground pump (e.g. peristaltic or Wattera™) or down-hole pump (e.g. Grundfos™ or DC Purger pump).

Groundwater wells shall be purged approximately three to ten well-casing volumes (depending on the regulatory agency requirements) or until groundwater parameters of temperature, pH, and conductivity have stabilized to within 10% for three consecutive readings. Temperature, pH, and conductivity shall be measured and recorded at least once per well casing volume removed. The total volume of groundwater removed shall be recorded along with any other notable physical characteristic such as color and odor. If required, field parameters such as turbidity, dissolved oxygen (DO), and oxidation-reduction potential (ORP) shall also be measured prior to collection of each groundwater sample.

Groundwater samples shall be collected after the well has been purged. If the well is slow to recharge, a sample shall be collected after the water column is allowed to recharge to 80% of the pre-purging static water level. If the well does not recover to 80% in 2 hours, a sample shall be collected once there is enough groundwater in the well. Groundwater samples shall be collected using clean disposable bailers or pumps (if an operating remediation system exists on site and the project manager approves of its use for sampling) and shall be decanted into clean containers supplied by the analytical laboratory. New latex gloves and disposable tubing or bailers shall be

used for sampling each well. If a PVC bailer or down-hole pump is used for groundwater purging, it shall be decontaminated before purging each well by using soapy water consisting of Liqui-nox™ or Alconox™ followed by one rinse of clean tap water and then two rinses of distilled water. If a submersible pump with non-dedicated discharge tubing is used for groundwater purging, both the inside and outside of pump and discharge tubing shall be decontaminated as described above.

Sample Handling

Except for samples that will be tested in the field, or that require special handling or preservation, samples shall be stored in coolers chilled to 4° C for shipment to the analytical laboratory. Samples shall be labeled, placed in protective foam sleeves or bubble wrap as needed, stored on crushed ice at or below 4° C, and submitted under chain-of-custody (COC) to the laboratory. The laboratory shall be notified of the sample shipment schedule and arrival time. Samples shall be shipped to the laboratory within a time frame to allow for extraction and analysis to be performed within the standard sample holding times.

Sample labels shall be filled out using indelible ink and must contain the site name; field identification number; the date, time, and location of sample collection; notation of the type of sample; identification of preservatives used; remarks; and the signature of the sampler. Field identification must be sufficient to allow easy cross-reference with the field datasheet.

All samples submitted to the laboratory shall be accompanied by a COC record to ensure adequate documentation. A copy of the COC shall be retained in the project file. Information on the COC shall consist of the project name and number; project location; sample numbers; sampler/recorder's signature; date and time of collection of each sample; sample type; analyses requested; name of person receiving the sample; and date of receipt of sample.

Laboratory-supplied trip blanks shall accompany the samples and be analyzed to check for cross-contamination, if requested by the project manager.

Waste Handling and Disposal

Groundwater extracted during sampling shall be stored onsite in sealed U.S. DOT H17 55-gallon drums and shall be labeled with the contents, date of generation, generator identification, and consultant contact. Extracted groundwater may be disposed offsite by a licensed waste handler or may be treated and discharged via an operating onsite groundwater extraction/treatment system.