CAMBRIA

February 24, 2004

Mr. Barney Chan
Alameda County Health Care Services Agency
Department of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502

Re: **Interim Investigation Data Report**
1137-1167 65th Street
Oakland, California 94608
Case No.: RO0000082

Dear Mr. Chan:

On behalf of John Nady, Cambria Environmental Technology, Inc. (Cambria) is pleased to submit this *Interim Investigation Data Report* for the above site. This report summarizes the findings of the first of three phases of the assessment described in the Alameda County Health Care Services Agency (ACHCSA) approved August 26, 2003 *Investigation Work Plan* prepared by Cambria. This report presents revised well locations and screen intervals. Upon ACHCSA concurrence, Cambria will commence well installation, which is the second phase of assessment in the workplan.

Based on the current and previous investigations, Cambria offers these conclusions:

- No groundwater or surface water sensitive receptors were identified within ½-mile of the site.
- Underground utilities do not appear to be acting as conduits for preferential migration of site compounds of concern.
- The B-zone is comprised of silty sand stringers and only exists in the southwestern portion of the site.
- Hydrocarbons and VOCs are commingled at the site. A significant issue is petroleum hydrocarbons in soil and groundwater above the ESLs across the site and offsite. Another issue is benzene and xylene and select halogenated VOCs in a few soil and groundwater locations onsite and offsite.
- Concentrations of compounds of concern in onsite and offsite soil and groundwater have been sufficiently defined to merit the installation of monitoring wells.

Based on our findings from these investigations, Cambria recommends a few modifications to the initial monitoring well installation plan presented in the ACHCSA approved August 26, 2003 *Investigation Work Plan*. Cambria recommends installation of the following monitoring wells:

Cambria Environmental Technology, Inc.

5900 Hollis Street
Suite A
Emeryville, CA 94608
Tel (510) 420-0700
Fax (510) 420-9170

- MW-2A, MW-3A, MW-4A, and MW-5A screened from 5 to 15 ft bgs (A-zone) and MW-1A and MW-6A screened from 5 to 12 ft bgs (A-zone) to monitor concentrations of compounds of concern in the perched/shallow groundwater zone;
- MW-1B and MW-6B screened from 16 to 22 ft bgs (B-zone) to monitor concentrations of compounds of concern in the intermediate zone located in the southwestern portion of the property; and
- MW-1C, MW-4C, and MW-6C screened from approximately 28 to 40 ft bgs (C-zone) to monitor concentrations of compounds of concern and the groundwater gradient in the true groundwater zone.

Upon completion of well installation activities, Cambria will submit an investigation report detailing our findings.

If you have any questions or comments regarding this report, please contact me at (510) 420-3338.

Sincerely,
Cambria Environmental Technology, Inc.

Jason D. Olson, E.I.T.
Project Manger

Enclosure: February 24, 2004 *Interim Investigation Data Report*

cc: Mr. Frederic Schrag, 6701 Shellmound Street, Emeryville, California 94608
Edward P. Sangster, Kirkpatrick & Lockhart, Four Embarcadero Center, 10th Floor, San Francisco, CA 94111

CAMBRIA

INTERIM INVESTIGATION DATA REPORT

1137-1167 65th Street
Oakland, California 94608
Case No.: RO0000082

February 24, 2004

Prepared for Submittal to:

Mr. Barney Chan
Alameda County Health Care Services Agency
Department of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502

Prepared by:

Cambria Environmental Technology, Inc.
5900 Hollis Street, Suite A
Emeryville, California 94608

Jason D. Olson, E.I.T.
Project Manager

Bob Clark-Riddell, P.E.
Principal Engineer

CAMBRIA

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CAMBRIA

INTERIM INVESTIGATION DATA REPORT

1137-1167 65th Street
Oakland, California 94608
Case No.: RO0000082

February 24, 2004

INTRODUCTION

On behalf of John Nady, Cambria Environmental Technology, Inc. (Cambria) is submitting this *Interim Investigation Data Report* for the above-referenced site. During the September 11, 2003 Cambria meeting with Mr. Barney Chan and Mr. Scott Seery of the Alameda County Health Care Services Agency (ACHCSA), ACHCSA approved the first and second of three phases of site assessment proposed in Cambria's August 26, 2003 *Investigation Work Plan* (work plan). The first phase of assessment included a soil boring investigation, conduit study, and sensitive receptor survey designed to address site data gaps. The planned second phase includes site well installation activities to monitor groundwater concentration trends by obtaining repeatable data. The third phase, which is pending the second phase and regulatory approval, is a soil gas investigation designed to assess potential indoor air impacts from site compounds of concern.

This report summarizes the findings of the first phase of assessment and recommends well locations for ACHCSA concurrence to begin the second phase of the assessment. The site background, field activities summary, preliminary data findings, and conclusions and recommendations are presented below. Additional details will be presented in an investigation report submitted after well installation activities.

SITE BACKGROUND

Site Description

The site is currently comprised of a group of buildings separated by narrow walkways and occupying the addresses of 1137, 1145, 1147, and 1167, Oakland, California (Figure 1). The site topography is at an elevation of approximately 35 feet above mean sea level (ft msl). The site vicinity is of mixed residential, commercial, and light industrial use.

Regional Geology and Setting

The site is located approximately ¾-miles east of the San Francisco Bay. The site is situated on alluvial fan deposits of the Temescal Formation, comprised of interfingering lenses of clayey gravel, sandy silt, clay, and sand-clay-silt mixtures (Radburch, D.H., 1957).

Site Geology

Based on previous investigations, the subsurface soils generally consist of interbedded layers of low permeability silts and clays and moderate permeability sandy silt and clay mixtures to a total explored depth of 36 ft bgs. A discontinuous layer of silty sand varying in thickness from 0.5 to 3.5-feet is present from 15 to 20 ft bgs in the southeastern portion of the site. For the August 26, 2003 work plan, Cambria prepared three hydrogeologic cross sections to facilitate future placement of boring and well screen intervals. The cross section locations are shown on Figure 2. The cross sections are included as Figures 3, 4, and 5. These cross sections will be updated with data from this investigation upon the completion of well installation activities. Boring logs for the January 2004 investigation are included in Appendix A.

Site Hydrogeology

Several water-bearing zones have been identified beneath the site. A perched zone ranging in thickness from 1.5 to 2.0-feet is typically present at varying depths from approximately 3.5 to 6 feet bgs. A shallow water-bearing zone ranging in thickness of 1 to 8 feet is present at varying depths from approximately 6 to 12 ft bgs. In certain areas of the site, the perched and shallow water-bearing zones appear to be hydraulically connected. This perched and/or shallow water-bearing zone (present at approximately 3.5 to 12 ft bgs) has been designated the A-zone. A semi-confined or confined water-bearing zone is present in the southeastern portion of the site at approximately 16 to 22 ft bgs, and has been designated the B-zone. A deeper, confined or semi-confined water-bearing zone begins at approximately 28 ft bgs, and has been designated the C-zone. This water bearing zone may represent the true groundwater in the area. The lower extent of the C-zone is not yet defined.

The groundwater gradients and flow directions for the various water-bearing zones cannot be adequately determined based on available data, and will be evaluated by the planned monitoring wells. The inferred direction of groundwater flow for all water-bearing zones beneath the site is west towards the bay.

Site Groundwater Use and Sensitive Receptor Survey

Cambria understands that site groundwater is in the East Bay plain beneath and adjacent to Emeryville, where groundwater is not considered a potential drinking water resource. As part of this investigation, Cambria conducted a sensitive receptor survey for beneficial use wells (e.g., municipal supply, domestic, irrigation, etc.) and surface water bodies within ½-mile of the site. While several environmental monitoring wells were located during the survey, Cambria did not locate any surface water bodies or beneficial use wells within ½-mile of the site.

Conduit Study

As part of this investigation, Cambria conducted a conduit study to determine if preferential migration pathways exist near the site and merit additional investigation. Underground utilities are shown on Figure 1. No preferential migration pathways were located adjacent to the site in Peabody Lane. Based on site concentrations in grab groundwater samples near 65th Street, it is unlikely that preferential migration is occurring via the underground utilities located in 65th Street.

FIELD ACTIVITIES SUMMARY

In January 2004, Cambria advanced nineteen soil borings to further define the extent of petroleum hydrocarbons and volatile organic compounds (VOCs) in soil and groundwater beneath the site (Figure 1). Soil samples were collected at the intervals specified in the August 26, 2003 work plan. Cambria collected nine A-zone, one B-zone, and four C-zone groundwater samples. To prevent cross contamination of deeper groundwater samples, a dual-walled direct push rig was used to obtain multiple discrete depth groundwater samples (e.g., A-zone and C-zone groundwater samples were collected from boring SB-17A/C using a dual-walled direct push rig). Soil and groundwater samples were analyzed for hydrocarbons and VOCs in accordance with the August 26, 2003 work plan. The borings are summarized in the tables below.

A-Zone Borings

Boring Location	Screen Interval (ft bgs)	Depth to Water (ft bgs)
SB-12A	*8 to 13*	4.5
SB-13	NA	Soil Only
SB-14A	*2 to 7*	4.0
SB-15A	*8 to 13*	4.0
SB-16A	*8 to 13*	4.0
SB-17A/C	*8 to 13*	No Recovery
SB-18A	*7 to 12*	1.5
SB-19A	*14 to 19*	No Recovery
SB-20A/C	*8 to 13*	8.0
SB-21A	*4.5 to 9.5*	8.5
SB-22A/C	*5 to 10*	No Recovery
SB-23	NA	Soil Only
SB-24	NA	Soil Only
SB-25A	*5 to 10*	5.0
SB-26A	*8 to 13*	4.0

B-Zone Borings

Boring Location	Screen Interval (ft bgs)	Depth to Water (ft bgs)
SB-17B	*17 to 22*	16.5

C-Zone Borings

Boring Location	Screen Interval (ft bgs)	Depth to Water (ft bgs)
SB-14C	*30.5 to 35.5*	No Recovery
SB-17A/C	*29 to 34*	No Recovery
SB-18B/C**	*26 to 31*	25.0
SB-18B/C	*35 to 40*	34.0
SB-20A/C	*29 to 34*	31.0
SB-22A/C	*41 to 46**	Not Measured
SB-25C	*29 to 34*	29.0

* dual-walled direct push rig not used

** Sample SB-18B actually collected in C-zone.

Based on field observations, the B-zone is comprised of a silty sand / sandy silt layer approximately 0.5 to 3.5 ft thick (boring SB-17B) and is present from approximately 16 to 22 ft bgs (borings SB-7

and SB-17B). The B-zone was only observed in borings SB-7, SB-17A/C, SB-17B, and SB-18B/C located in the southwestern portion of the site. Note that for boring SB-18 Cambria collected grab groundwater samples from 26 to 31 feet bgs (sample SB-18B) and from 35 to 40 (sample SB-18C). Upon review of boring logs and groundwater analytical results from SB-18B and SB-18C, Cambria considers the sample designated as SB-18B to reflect first encountered groundwater from the C-zone and sample SB-18C to represent deeper groundwater from the C-zone. In general, the same VOCs were detected at similar concentrations in samples from SB-18B and SB-18C (see Table 4).

PRELIMINARY DATA FINDINGS

Cambria screened all current and historic soil and groundwater analytical data against the July 2003 Environmental Screening Limits (ESLs) established by the Regional Water Quality Control Board – San Francisco Bay Region (RWQCB) for commercial sites overlying a non-drinking water aquifer. Cambria's data findings for hydrocarbons and VOCs are described below. Soil and groundwater analytical data are summarized in Tables 1, 2, 3, and 4. Hydrocarbon and VOC concentrations exceeding the ESLs in soil and groundwater are shown on Figures 6, 7, 8, and 9. Analytical laboratory reports are included in Appendix B.

Hydrocarbons

Hydrocarbon Concentrations in Soil: Hydrocarbon concentrations in soil exceed the ESLs in five areas of the site (see Figure 6): 1) shallow soil in the immediate area surrounding the former interior USTs, 2) shallow soil in the immediate area of the former exterior USTs, 3) shallow soil in the area of the former product piping and floor drain (borings SB-8, SB-21, SB-22, and SB-24), 4) soil from approximately 3.5 to 17.5 ft bgs in the southwestern most portion of the site (borings SB-7 and SB-18), and 5) shallow soil in the area of Peabody lane defined by borings SB-5 and SB-15.

Hydrocarbon Concentrations in Groundwater: Hydrocarbon concentrations in the B-zone and C-zone groundwater samples did not exceed the ESLs. Hydrocarbon concentrations in groundwater exceeding the ESLs in the A-zone primarily surround the five hydrocarbon soil areas discussed above (see Figure 8). While A-zone concentrations appear to have migrated offsite, the detections in boring SB-20 (the presumed most downgradient boring) are just above the ESL limit.

VOCs

VOCs in Soil: VOC concentrations in soil exceed the ESLs in two areas of the site (see Figure 7): 1) benzene and xylene concentrations in soil at 7.5 ft bgs (at the top of the groundwater table) located

downgradient of the former gasoline UST (borings SB-14 and SB-15) and 2) xylene concentrations in soil from 7.5 to 17.5 ft bgs in the southwestern most portion of the site (boring SB-18).

VOCs in Groundwater: VOC concentrations in groundwater exceeding the ESLs are shown on Figure 9. VOC concentrations in A-zone groundwater exceeding the ESLs were limited to benzene and xylenes near the former interior, exterior, and gasoline USTs. VOC concentrations in B-zone and C-zone groundwater exceeding the ESLs were tetrachloroethene (PCE), trichloroethene (TCE), and cis 1,2-dichloroethene (cis 1,2-DCE) near the southwestern most portion of the site (borings SB-17 and SB-18).

CONCLUSIONS AND RECOMMENDATIONS

Based on the current and previous investigations, Cambria offers these conclusions:

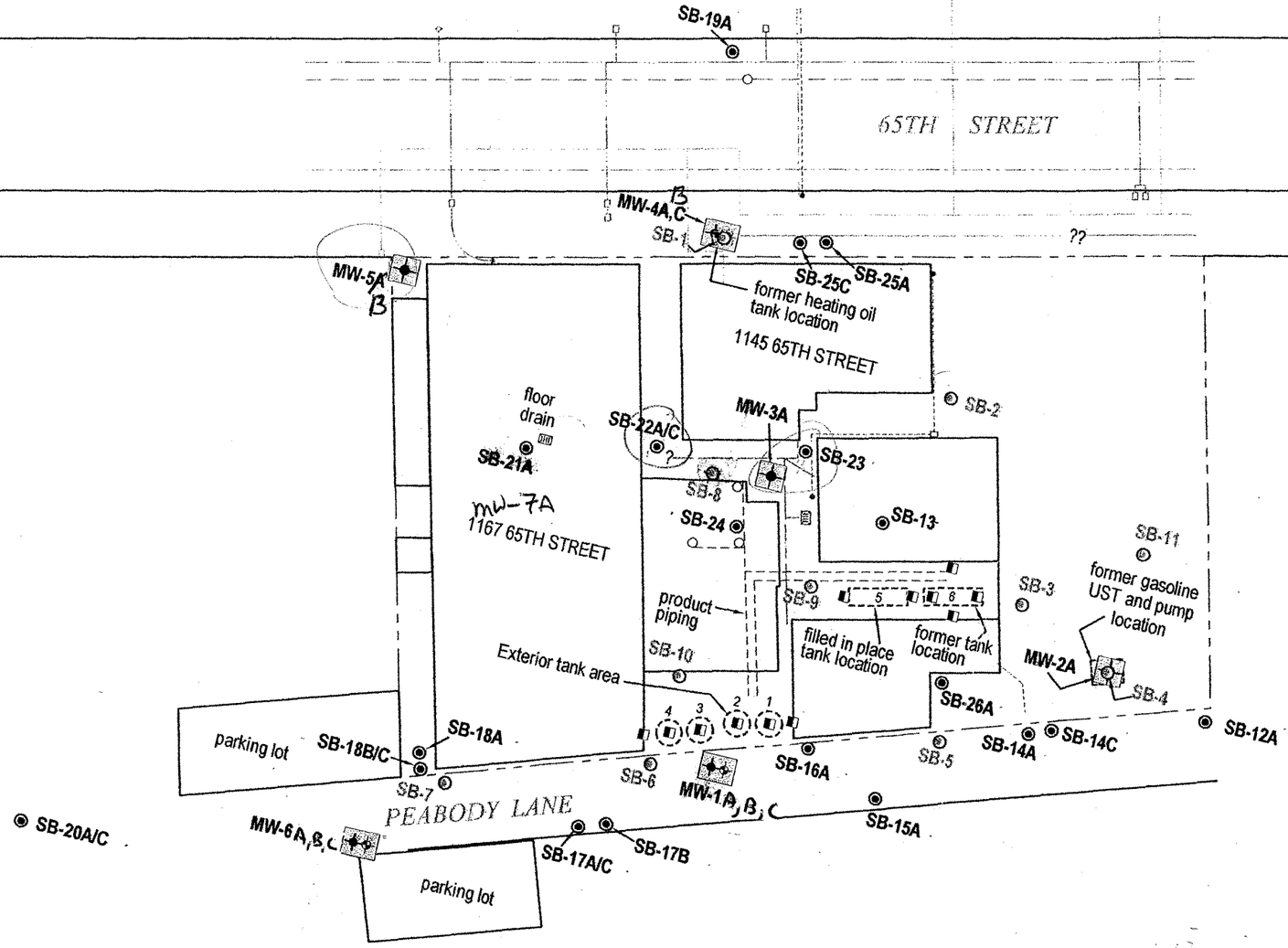
- No groundwater or surface water sensitive receptors were identified within ½-mile of the site.
- Underground utilities do not appear to be acting as conduits for preferential migration of site compounds of concern.
- The B-zone is comprised of silty sand stringers and only exists in the southwestern portion of the site.
- Hydrocarbons and VOCs are commingled at the site. A significant issue is petroleum hydrocarbons in soil and groundwater above the ESLs across the site and offsite. Another issue is benzene and xylene and select halogenated VOCs in a few soil and groundwater locations onsite and offsite.
- Concentrations of compounds of concern in onsite and offsite soil and groundwater have been sufficiently defined to merit the installation of monitoring wells.

Based on our findings from these investigations, Cambria recommends a few modifications to the initial monitoring well installation plan presented in the ACHCSA approved August 26, 2003 *Investigation Work Plan.* Cambria recommends installation of the following monitoring wells:

- MW-2A, MW-3A, MW-4A, and MW-5A screened from 5 to 15 ft bgs (A-zone) and MW-1A and MW-6A screened from 5 to 12 ft bgs (A-zone) to monitor concentrations of compounds of concern in the perched/shallow groundwater zone;
- MW-1B and MW-6B screened from 16 to 22 ft bgs (B-zone) to monitor concentrations of compounds of concern in the intermediate zone located in the southwestern portion of the property; and

- MW-1C, MW-4C, and MW-6C screened from approximately 28 to 40 ft bgs (C-zone) to monitor concentrations of compounds of concern and the groundwater gradient in the true groundwater zone.

Upon completion of well installation activities, Cambria will submit an investigation report detailing our findings.



EXPLANATION

- MW-1A — Proposed monitoring well
- MW-1A,B,C — Proposed monitoring well cluster
- SB-12 — Soil boring location
- SB-1 — Cambria soil boring/temporary well location
- SCI soil sample location
- Former tank location and tank nomenclature
- Product piping
- Product piping stub-ups
- Electrical line
- Storm drain
- Sanitary sewer line
- Water line
- Gas line
- Communications line

02/11/04

Site Plan

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N

0 20 40 80

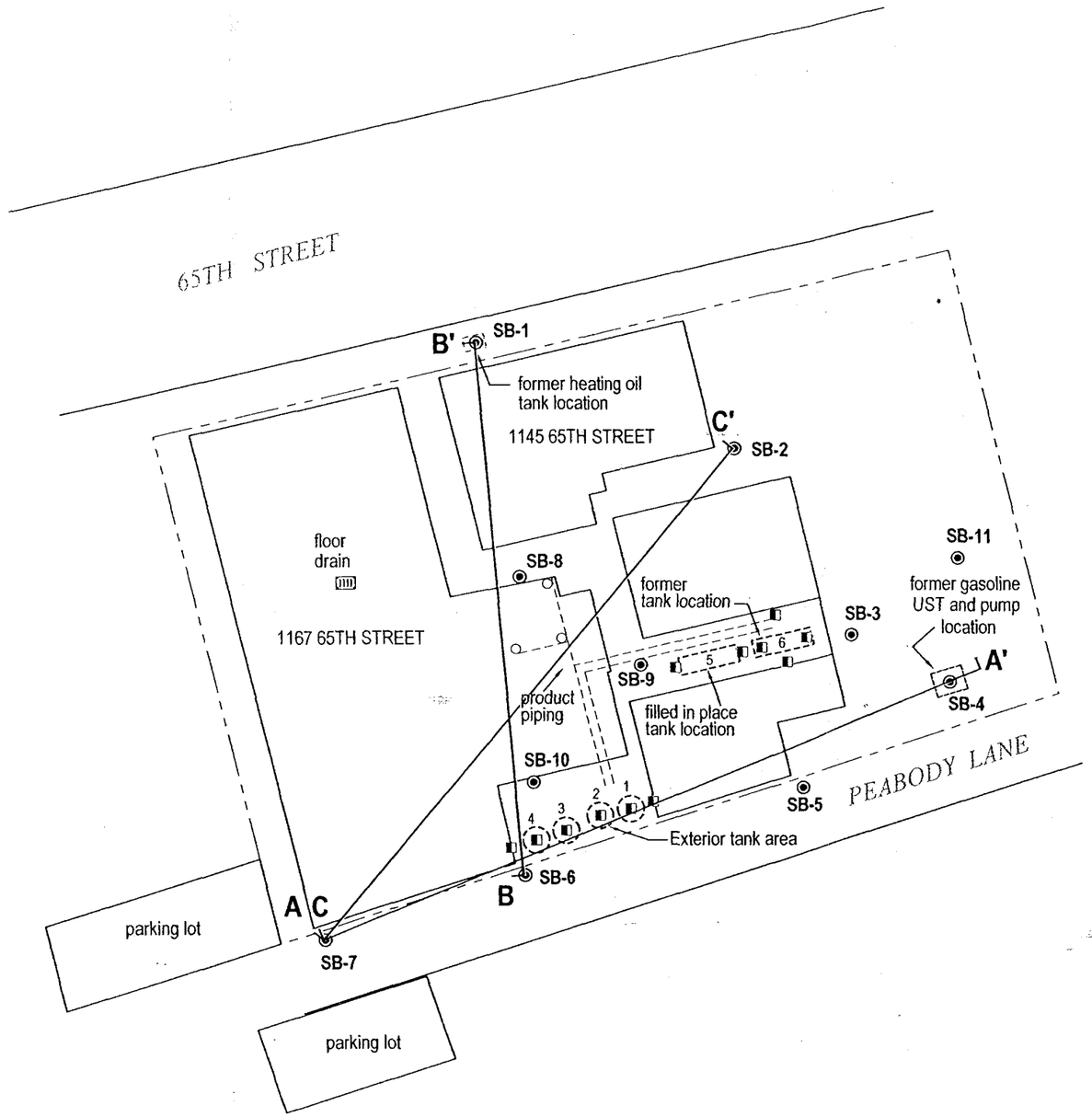
Scale

Street

08/21/03

EXPLANATION

- SB-1 ◉ Cambria soil boring/temporary well location
- ◧ SCI soil sample location
- 1 ◌ Former tank location and tank nomenclature
- ------- Product piping
- ○ Product piping stub-ups
- A A' Location of geologic cross-section



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0 20 40 80

Scale (ft)

FIGURE

2

Cross Section Locations

CAMBRIA

1137 - 1167 65thStreet
Oakland, California

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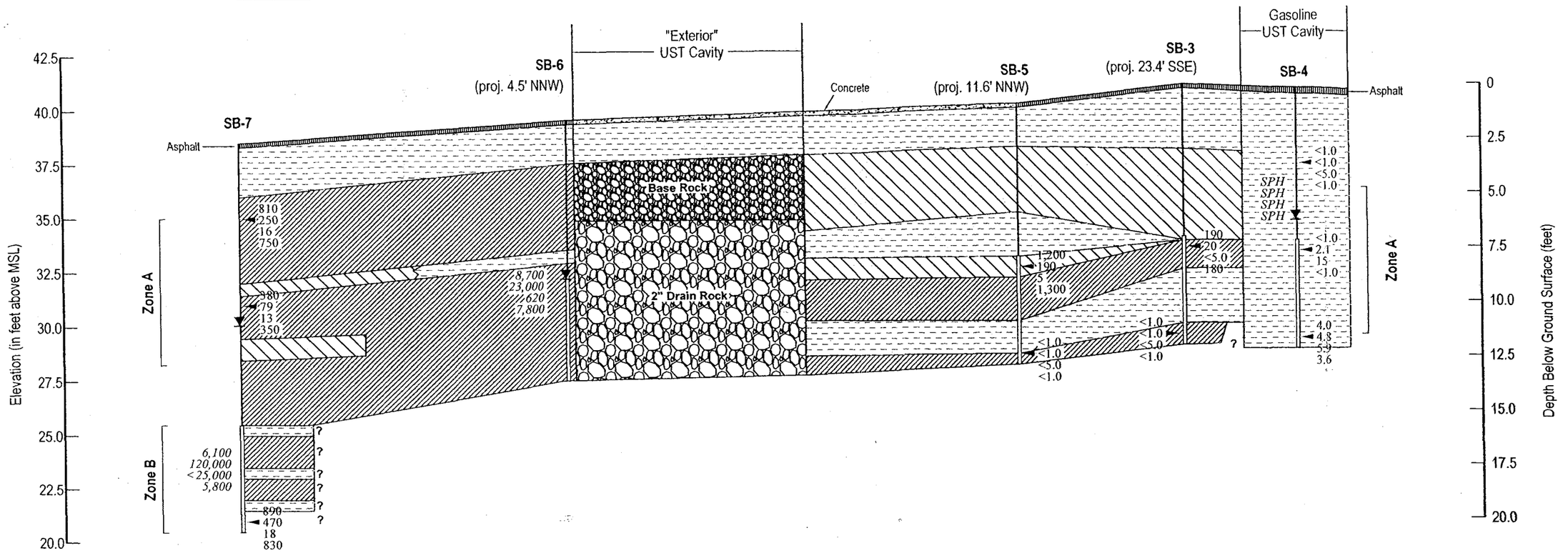
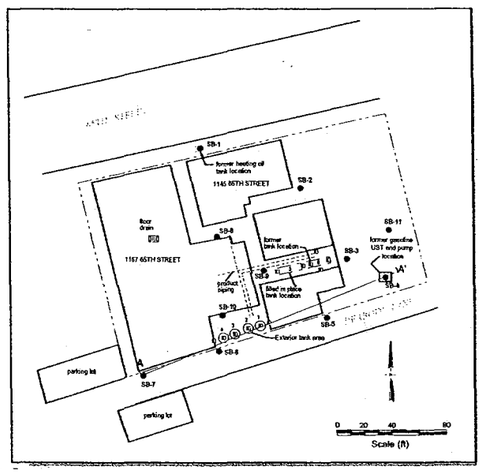
08/19/03

Geologic Cross Section A - A'

A — West-Southwest

A' — North-Northeast





EXPLANATION

= Low Permeability Soils (> 70% Fines)

= Moderate Permeability Soils (Fines between 70% and 30%)

= High Permeability Soils (< 30% Fines)

Approximate sample location

TPHg, TPHd, TPHmo, TPHss — Hydrocarbon concentrations in Soil, in parts per million

Well ID — Well Designation
Elev. — Top of Casing Elevation

Temporary Monitoring Well

Temporary Well Screen Interval

Bottom of boring

Depth of Groundwater - 11/26/2002

TPHg, TPHd, TPHmo, TPHss — Hydrocarbon concentrations in Groundwater, in parts per billion

Zone A: Shallow and/or perched water-bearing zone

Zone B: Confined or semi-confined water-bearing zone

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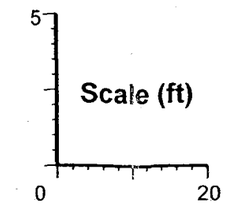

FIGURE

3

1137 - 1167 65th Street
Oakland, California

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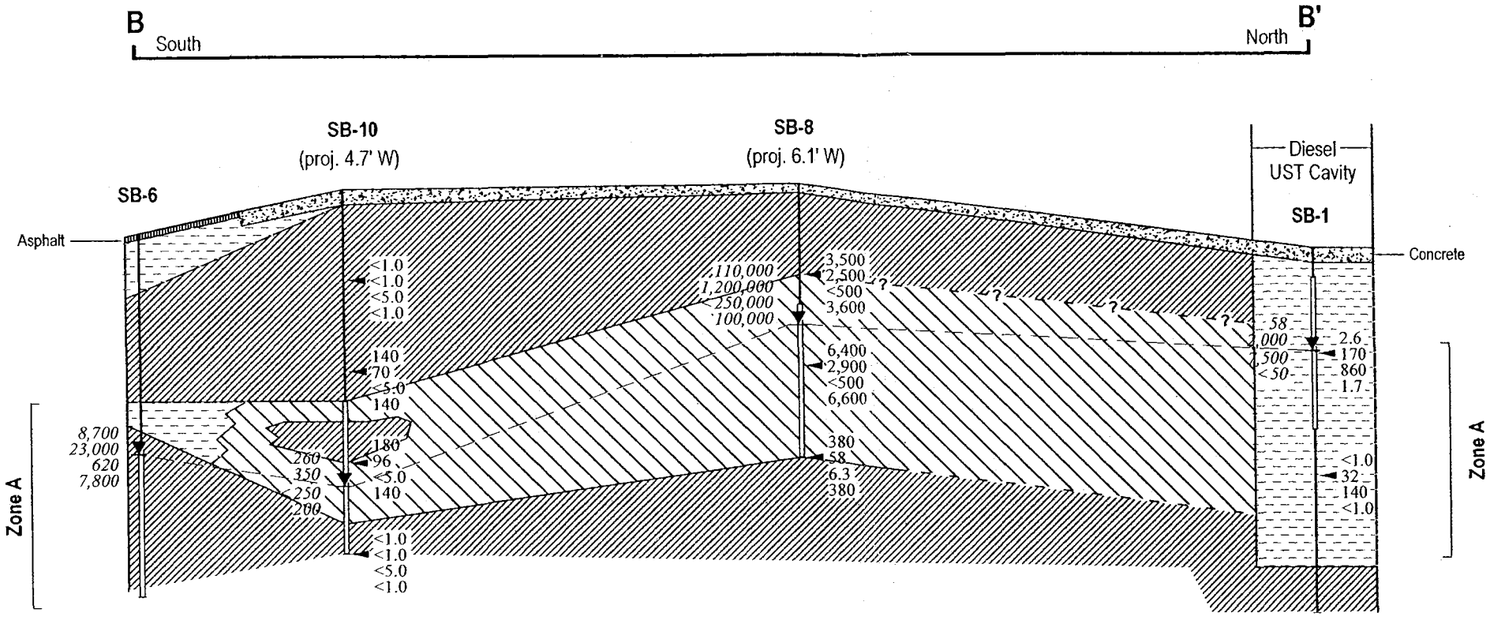
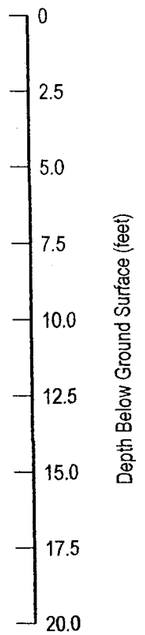
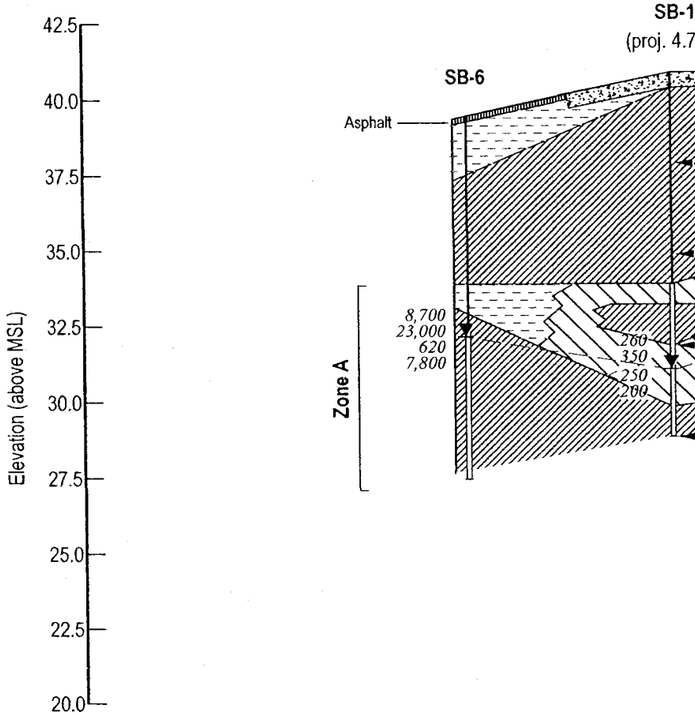
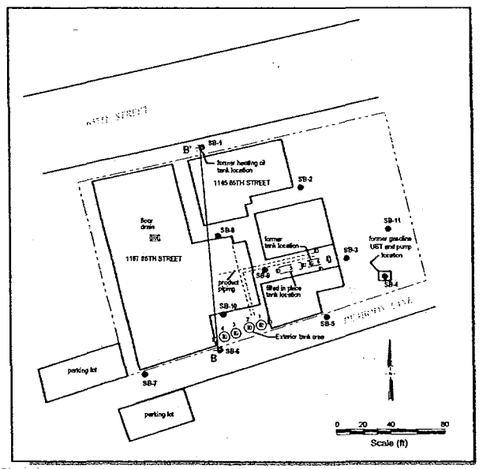
08/19/03

Geologic Cross Section B - B'









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Well ID — Well Designation
Elev. — Top of Casing Elevation

Temporary Monitoring Well

Temporary Well Screen Interval

Bottom of boring

Depth of Groundwater - 11/26/2002

TPHg, TPHd, TPHmo, TPHss — Hydrocarbon concentrations in Groundwater, in parts per billion

Zone A: Shallow and/or perched water-bearing zone

Zone B: Confined or semi-confined water-bearing zone

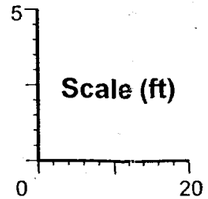

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FIGURE
4

1137 - 1167 65th Street
Oakland, California

CAMBRIA

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Geologic Cross Section C - C'

C — Southwest — Northeast — C'

SB-7 | SB-10 (proj. 16.5' NE) | SB-9 (proj. 18.6' NE) | SB-2

Concrete | Asphalt

Elevation (in feet above MSL): 42.5, 40.0, 37.5, 35.0, 32.5, 30.0, 27.5, 25.0, 22.5, 20.0

Depth Below Ground Surface (feet): 0, 2.5, 5.0, 7.5, 10.0, 12.5, 15.0, 17.5, 20.0

Zone A

SB-7: 810, 250, 16, 750 | 380, 79, 13, 350

SB-10: <1.0, <1.0, <5.0, <1.0 | 140, 70, <5.0, 140 | 180, 96, <5.0, 140 | *260*, *330*, *< 250*, *200* | <1.0, <1.0, <5.0, <1.0

SB-9: 9.5, 2.8, <5.0, 9.4 | <1.0, <1.0, <5.0, <1.0

SB-2: <1.0, <1.0, <5.0, <1.0 | <1.0, <1.0, <5.0, <1.0

Zone B

SB-7: *6,100*, *120,000*, *< 25,000*, *5,800* | 890, 470, 18, 830

Zone A & B?

Zone C

SB-9: *< 50*, *< 50*, *150*, *300*

SB-2: *< 50*, *< 50*, *< 250*, *< 50*

?

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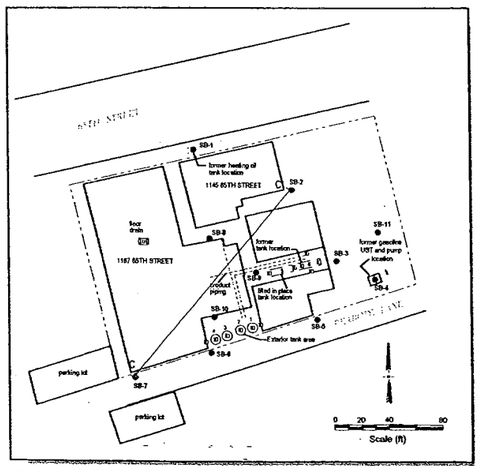
Scale (ft): 5, 0, 20



EXPLANATION

- = Low Permeability Soils (> 70% Fines)
- = Moderate Permeability Soils (Fines between 70% and 30%)
- = High Permeability Soils (< 30% Fines)
- Approximate sample location
- TPHg, TPHd, TPHmo, TPHss — Hydrocarbon concentrations in Soil, in parts per million

Well ID — Well Designation
Elev. — Top of Casing Elevation

- Temporary Monitoring Well
- Temporary Well Screen Interval
- Bottom of boring
- Depth of Groundwater - 11/26/2002
- *TPHg, TPHd, TPHmo, TPHss* — Hydrocarbon concentrations in Groundwater, in parts per billion

Zone A: Shallow and/or perched water-bearing zone
Zone B: Confined or semi-confined water-bearing zone
Zone C: Deep water-bearing zone

FIGURE 5

1137 - 1167 65th Street
Oakland, California

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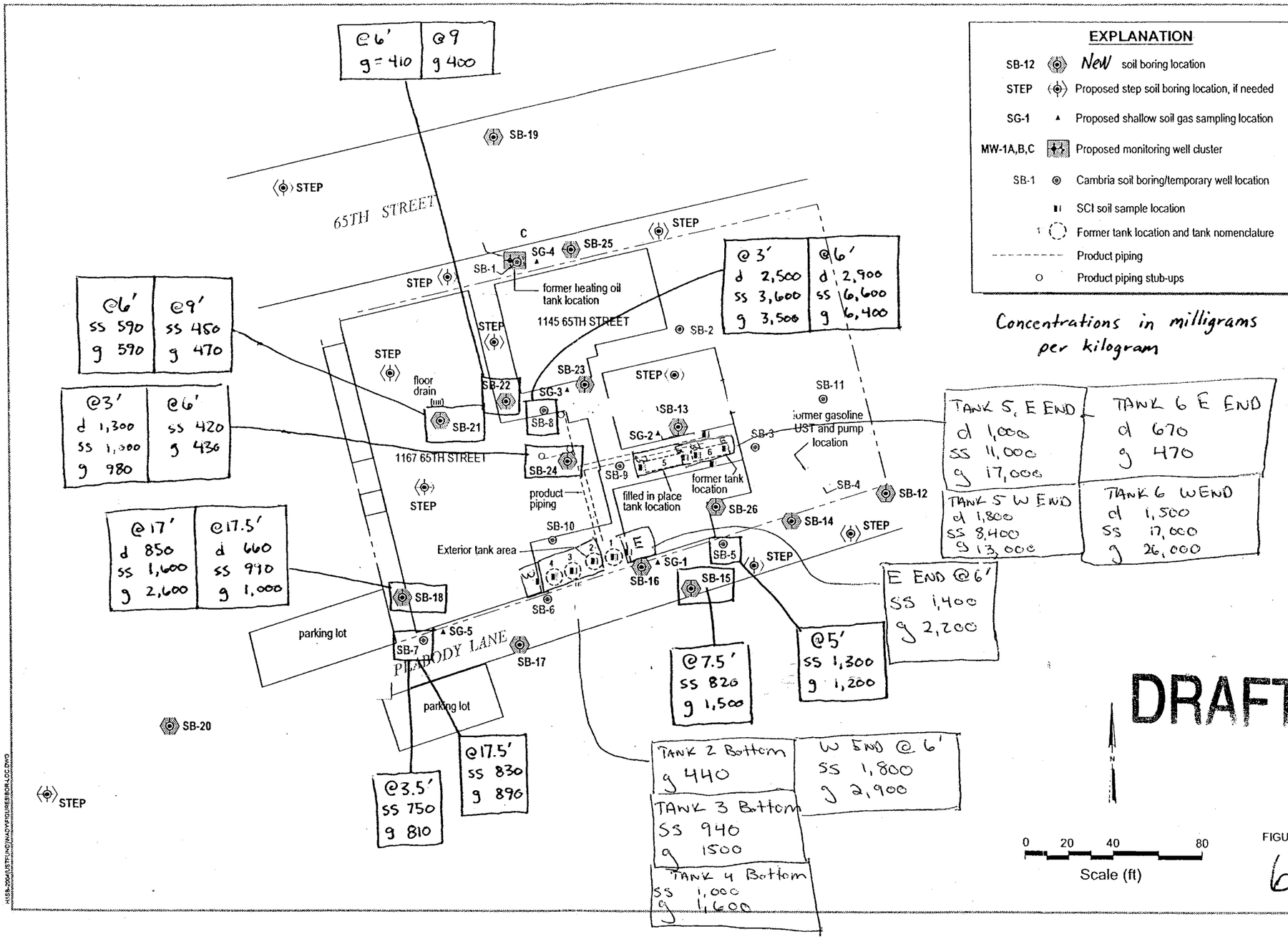
08/25/03

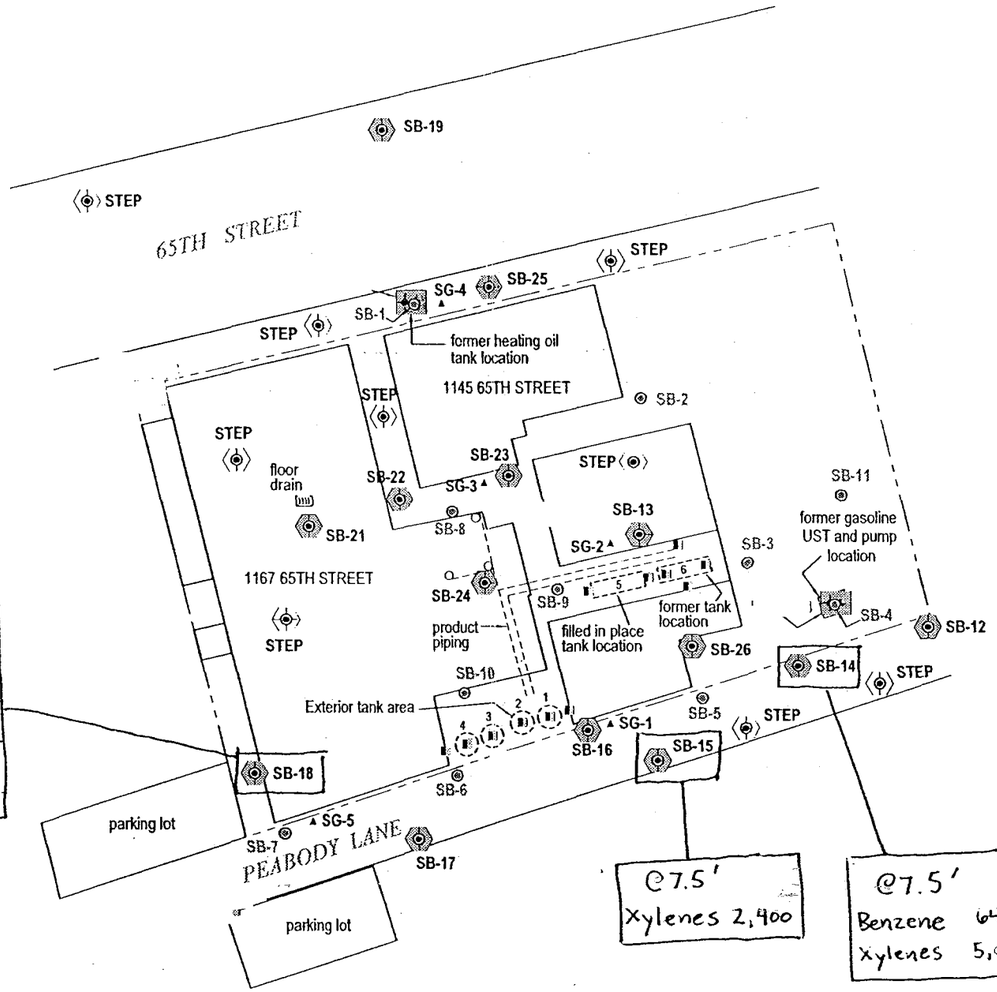


TPH Concentrations in Soil that Exceed the ESL

CAMBRIA

1137 - 1167 65thStreet
Oakland, California

08/25/03



@7.5'
Xylenes 1,600

@17'
Xylenes 6,500

@17.5
Xylenes 2,900

@7.5'
Xylenes 2,400

@7.5'
Benzene 640
Xylenes 5,000

EXPLANATION

- SB-12 — New soil boring location
- STEP — Proposed step soil boring location, if needed
- SG-1 — Proposed shallow soil gas sampling location
- MW-1A,B,C — Proposed monitoring well cluster
- SB-1 — Cambria soil boring/temporary well location
- SCI soil sample location
- 1 — Former tank location and tank nomenclature
- Product piping
- Product piping stub-ups

Concentrations in micrograms per kilogram

VOC Concentrations in Soil that Exceed the ESL

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N

0 20 40 80
Scale (ft)

FIGURE 7

CAMBRIA

1137 - 1167 65thStreet
Oakland, California

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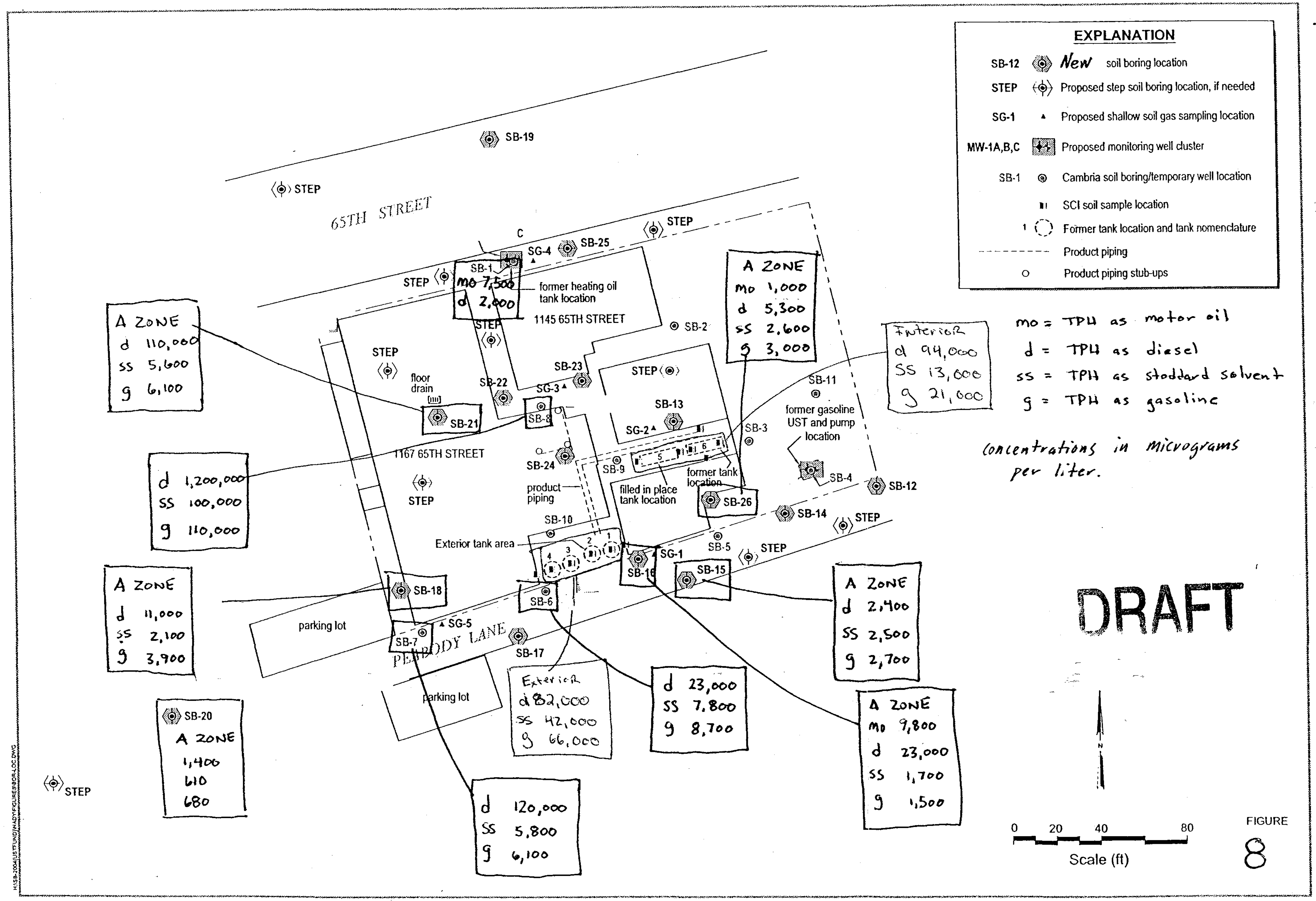
EXPLANATION
SB-12 New soil boring location
STEP Proposed step soil boring location, if needed
SG-1 Proposed shallow soil gas sampling location
MW-1A,B,C Proposed monitoring well cluster
SB-1 Cambria soil boring/temporary well location
SCI soil sample location
1 Former tank location and tank nomenclature
Product piping
Product piping stub-ups
mo = TPH as motor oil
d = TPH as diesel
ss = TPH as stoddard solvent
g = TPH as gasoline
concentrations in micrograms per liter.
65TH STREET
PEABODY LANE
1145 65TH STREET
1167 65TH STREET
former heating oil tank location
former gasoline UST and pump location
former tank location
filled in place tank location
Exterior tank area
product piping
floor drain
parking lot
parking lot
STEP
SB-1 mo 7,500 d 2,000
A ZONE mo 1,000 d 5,300 ss 2,600 g 3,000
Exterior d 94,000 SS 13,000 g 21,000
A ZONE d 110,000 ss 5,600 g 6,100
d 1,200,000 SS 100,000 g 110,000
A ZONE d 11,000 ss 2,100 g 3,900
SB-20 A ZONE 1,400 610 680
Exterior d 82,000 ss 42,000 g 66,000
d 23,000 SS 7,800 g 8,700
A ZONE d 2,400 SS 2,500 g 2,700
A ZONE mo 9,800 d 23,000 ss 1,700 g 1,500
d 120,000 SS 5,800 g 6,100
SB-2 SB-3 SB-4 SB-5 SB-6 SB-7 SB-8 SB-9 SB-10 SB-11 SB-12 SB-13 SB-14 SB-15 SB-16 SB-17 SB-18 SB-19 SB-21 SB-22 SB-23 SB-24 SB-25 SB-26
SG-1 SG-2 SG-3 SG-4 SG-5
DRAFT
0 20 40 80
Scale (ft)
N

TPH Concentrations in Groundwater that Exceed the ESL

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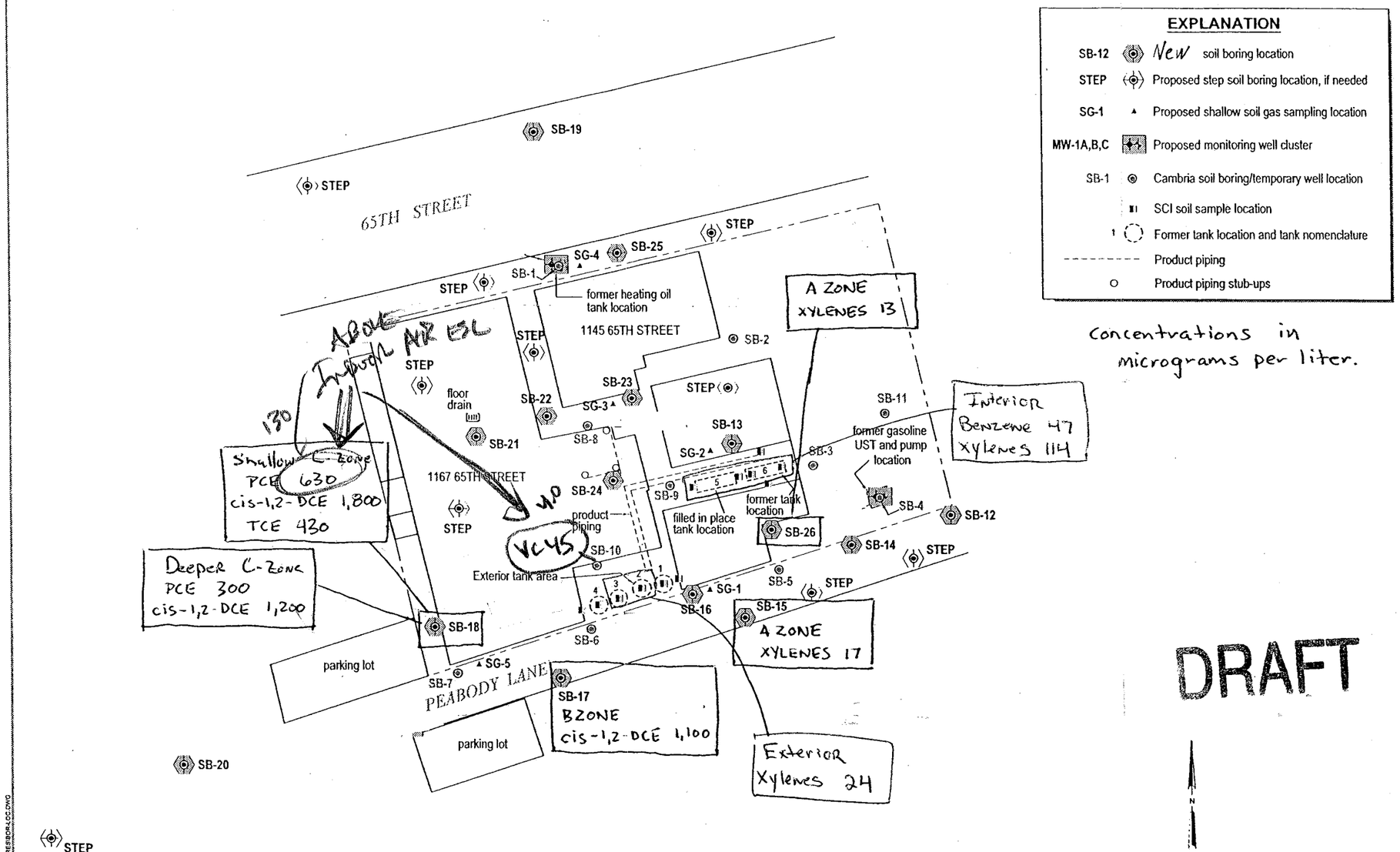
1137 - 1167 65thStreet
Oakland, California

FIGURE 8

08/25/03



VOC Concentrations in Groundwater that Exceed the ESL

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Table 1. Soil Analytical Data: Petroleum Hydrocarbons - 1137-1167 65th Street, Oakland, California

Sample ID	Date Sampled	Sample Depth (ft)	TPHmo	TPHd	TPHss	TPHg
			←	mg/kg		→
Residential ESL, non-drinking water			500	500	100	100
Commercial ESL, non-drinking water			1,000	500	400	400
Current Cambria Samples						
SB-11-7.5	11/25/2002	7.5	<5.0	<1.0	<1.0	<1.0
SB-13@6.0	1/5/2004	6.0	<5.0	21	150	140
SB-13@11.5	1/5/2004	11.5	<5.0	41	260	260
SB-14@7.5	1/9/2004	7.5	<5.0	64	100	210
SB-14@11.5	1/9/2004	11.5	<5.0	<1.0	<1.0	<1.0
SB-15@7.5	1/12/2004	7.5	9.3	190	**820**	**1,500**
SB-15@11.5	1/12/2004	11.5	<5.0	<1.0	<1.0	<1.0
SB-16@7.5	1/12/2004	7.5	<5.0	59	49	90
SB-16@11.5	1/12/2004	11.5	<5.0	<1.0	<1.0	<1.0
SB-17@3.5	1/8/2004	3.5	210	110	<1.0	<1.0
SB-17@7.5	1/8/2004	7.5	<5.0	<1.0	<1.0	<1.0
SB-17@11.5	1/8/2004	11.5	<5.0	<1.0	<1.0	<1.0
SB-17@17.5	1/8/2004	17.5	<5.0	<1.0	<1.0	<1.0
SB-17@20	1/8/2004	20.0	5.5	1.4	<1.0	<1.0
SB-18@3.5	1/6/2004	3.5	<5.0	<1.0	<1.0	<1.0
SB-18@7.5	1/6/2004	7.5	<50	230	310	340
SB-18@11.5	1/6/2004	11.5	<5.0	8.5	5.7	6.2
SB-18@17	1/6/2004	17.0	<100	**850**	**1,600**	**2,600**
SB-18@17.5	1/9/2004	17.5	<50	**660**	**990**	**1,000**
SB-18@20	1/9/2004	20.0	<5.0	<1.0	<1.0	<1.0
SB-21@3	1/20/2004	3.0	<5.0	<1.0	<1.0	<1.0
SB-21@6	1/20/2004	6.0	<25	220	**590**	**590**
SB-21@9	1/20/2004	9.0	<25	270	**450**	**470**
SB-22@3.0	1/7/2004	3.0	<5.0	1.1	<1.0	<1.0

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Table 1. Soil Analytical Data: Petroleum Hydrocarbons - 1137-1167 65th Street, Oakland, California

Sample ID	Date Sampled	Sample Depth (ft)	TPHmo	TPHd	TPHss	TPHg
			← mg/kg →			
Residential ESL, non-drinking water			500	500	100	100
Commercial ESL, non-drinking water			1,000	500	400	400
SB-22@6.0	1/7/2004	6.0	11	230	220	**410**
SB-22@9.0	1/7/2004	9.0	6.7	150	220	**400**
SB-23@3	1/6/2004	3.0	<5.0	<1.0	<1.0	<1.0
SB-23@6	1/6/2004	6.0	<5.0	<1.0	<1.0	<1.0
SB-23@9	1/6/2004	9.0	<5.0	<1.0	<1.0	<1.0
SB-24@3	1/5/2004	3.0	<250	**1,300**	**1,000**	**980**
SB-24@6	1/5/2004	6.0	8.9	220	**420**	**430**
SB-24@9	1/5/2004	9.0	<5.0	54	43	43
SB-26@7.5	1/7/2004	7.5	6.8	150	220	240
SB-26@11.5	1/7/2004	11.5	<5.0	67	98	180
Previous Cambria Samples						
SB-1-3.5	11/25/2002	3.5	860	170	1.7	2.6a,b
SB-1-7.5	11/25/2002	7.5	140	32	<1.0	<1.0
SB-2-3.5	11/25/2002	3.5	<5.0	<1.0	<1.0	<1.0
SB-2-11.5	11/25/2002	11.5	<5.0	<1.0	<1.0	<1.0
SB-3-7.5	11/25/2002	7.5	<5.0	20	180	190a
SB-3-11.5	11/25/2002	11.5	<5.0	<1.0	<1.0	<1.0
SB-4-3.5	11/25/2002	3.5	<5.0	<1.0	<1.0	<1.0
SB-4-7.5	11/25/2002	7.5	15	2.1	<1.0	<1.0
SB-4-11.5	11/25/2002	11.5	5.9	4.8	3.6	4.0
SB-5-7.5	11/25/2002	7.5	5	190	**1,300**	**1,200a**
SB-5-11.5	11/25/2002	11.5	<5.0	<1.0	<1.0	<1.0
SB-7-3.5	11/25/2002	3.5	16	250	**750**	**810a**
SB-7-7.5	11/25/2002	7.5	13	79	350	380a
SB-7-17.5	11/25/2002	17.5	18	470	**830**	**890a**
SB-8-3	11/25/2002	3.0	<500	**2,500**	**3,600**	**3,500a**
SB-8-6	11/25/2002	6.0	<500	**2,900**	**6,600**	**6,400a**
SB-8-9	11/25/2002	9.0	6.3	58	380	380a
SB-9-6	11/25/2002	6.0	<5.0	2.8	9.4	9.5a

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Table 1. Soil Analytical Data: Petroleum Hydrocarbons - 1137-1167 65th Street, Oakland, California

Sample ID	Date Sampled	Sample Depth (ft)	TPHmo	TPHd	TPHss	TPHg
			← mg/kg →			
Residential ESL, non-drinking water			500	500	100	100
Commercial ESL, non-drinking water			1,000	500	400	400
SB-9-9	11/25/2002	9.0	<5.0	<1.0	<1.0	<1.0
SB-10-3	11/25/2002	3.0	<5.0	<1.0	<1.0	<1.0
SB-10-6	11/25/2002	6.0	<5.0	70	140	140a
SB-10-9	11/25/2002	9.0	<5.0	96	140	180a
SB-10-12	11/25/2002	12.0	<5.0	<1.0	<1.0	<1.0
Previous SCI Samples						
Tank 1 Bottom	2/25/2002	--	---	69	74	110
Tank 2 Bottom	2/25/2002	--	---	34	280	**440**
Tank 3 Bottom	2/25/2002	--	---	220	**940**	**1,500**
Tank 4 Bottom	2/25/2002	--	---	12	**1,000**	**1,600**
E End @ 6'	2/26/2002	6.0	---	220	**1,400**	**2,200**
W End @ 6'	2/26/2002	6.0	---	390	**1,800**	**2,900**
Pipe #1	2/26/2002	--	---	68	<0.99	<0.99
Pipe #2	2/26/2002	--	---	6.8	<0.95	<0.95
Tank 5 E End	2/13/2002	--	---	**1,000**	**11,000**	**17,000**
Tank 5 W End	2/13/2002	--	---	**1,800**	**8,400**	**13,000**
Tank 6 N Wall	3/7/2002	2.0	---	53	<0.98	<0.98
Tank 6 S Wall	3/7/2002	5.0	---	260	270	310
Tank 6 E End	2/13/2002	--	---	**670**	300	**470**
Tank 6 W End	2/13/2002	--	---	**1,500**	**17,000**	**26,000**

Abbreviations and Methods:

Bold values represent concentrations above the commericial ESL.

mg/kg = Milligrams per kilogram, equivalent to parts per million (ppm)

-- = Not available, not analyzed, or does not apply

ND = Not detected above laboratory reporting limit; see laboratory report for individual reporting limits

TPHmo = Total petroleum hydrocarbons as motor oil by EPA Method 8015C with silica gel cleanup

TPHd = Total petroleum hydrocarbons as diesel by EPA Method 8015C with silica gel cleanup

TPHss = Total petroleum hydrocarbons as Stoddard solvent by EPA Method 8021B/8015Cm

TPHg = Total petroleum hydrocarbons as gasoline by EPA Method 8021B/8015Cm

TPHnap = Total petroleum hydrocarbons as naphtha by EPA Method 8015m/8020

Table 1. Soil Analytical Data: Petroleum Hydrocarbons - 1137-1167 65th Street, Oakland, California

Sample ID	Date Sampled	Sample Depth (ft)	TPHmo	TPHd	TPHss	TPHg
			←		mg/kg	→
Residential ESL, non-drinking water			500	500	100	100
Commercial ESL, non-drinking water			1,000	500	400	400

Lead by EPA Method 6010C

a = Laboratory note: TPH pattern that does not appear to be derived from gasoline (Stoddard solvent/mineral spirit?)

b = Laboratory note: heavier gasoline range compounds are significant (aged gasoline?)

Residential ESL = Table B - Environmental Screening Levels Shallow Soil <3 meters (Groundwater is not a Current or Potential Source of Drinking Water) established by the SFBRWQCB, Interim Final July 2003.

Commercial ESL = Table B - Environmental Screening Levels Shallow Soil <3 meters (Groundwater is not a Current or Potential Source of Drinking Water) established by the SFBRWQCB, Interim Final July 2003.

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Table 2. Soil Analytical Data: Volatile Organic Compounds - 1137-1167 65th Street, Oakland, California

Sample ID	Date Sampled	Depth (ft)	Benzene	Toulene	Ethylbenzene	Xylenes	Tetrachloroethene	cis-1,2-Dichloroethene	Trichloroethene	Vinyl Chloride	1,2-Dichloropropane	Methylene Chloride
			ug/kg									
Residential, non-drinking water ESL			180	9,300	4,700	1,500	88	1,600	260	6.7	52	520
Commercial, non-drinking water ESL			380	9,300	13,000	1,500	250	3,600	730	19	150	1,500
Current Cambria Samples												
SB-13@6	1/5/2004	6.0	<50	<50	<50	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
SB-13@11.5	1/5/2004	11.5	<100	<100	<100	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
SB-14@7.5	1/9/2004	7.5	**640**	390	1,800	**5,000**	<400	<400	<400	<400	<400	<400
SB-14@11.5	1/9/2004	11.5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
SB-15@7.5	1/12/2004	7.5	<1,000	<1,000	<1,000	**2,400**	<400	<400	<400	<400	<400	<400
SB-15@11.5	1/12/2004	11.5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
SB-16@7.5	1/12/2004	7.5	<50	<50	69	110	<100	<100	<100	<100	<100	<100
SB-16@11.5	1/12/2004	11.5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
SB-17@3.5	1/8/2004	3.5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
SB-17@7.5	1/8/2004	7.5	<5.0	<5.0	<5.0	<5.0	<5.0	8.3	<5.0	<5.0	<5.0	<5.0
SB-17@11.5	1/8/2004	11.5	<5.0	<5.0	<5.0	<5.0	<5.0	180	<5.0	8.3	7.4	<5.0
SB-17@17.5	1/8/2004	17.5	<5.0	<5.0	<5.0	<5.0	<10	170	<10	<10	<10	<10
SB-17@20	1/8/2004	20.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
SB-18@3.5	1/6/2004	3.5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
SB-18@7.5	1/6/2004	7.5	<200	<200	310	**1,600**	<400	<400	<400	<400	<400	<400
SB-18@11.5	1/6/2004	11.5	<5.0	<5.0	<5.0	15	<50	<50	<50	<50	<50	<50
SB-18@17	1/6/2004	17.0	<200	<200	1,100	**6,500**	<400	<400	<400	<400	<400	<400
SB-18@17.5	1/9/2004	18.5	<250	<250	570	**2,900**	<400	<400	<400	<400	<400	<400
SB-18@20	1/9/2004	20.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
SB-21@3	1/20/2004	3.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
SB-21@6	1/20/2004	6.0	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
SB-21@9	1/20/2004	9.0	<200	<200	230	<200	<200	<200	<200	<200	<200	<200

Table 2. Soil Analytical Data: Volatile Organic Compounds - 1137-1167 65th Street, Oakland, California

Sample ID	Date Sampled	Depth (ft)	Benzene	Toulene	Ethylbenzene	Xylenes	Tetrachloroethene	cis-1,2-Dichloroethene	Trichloroethene	Vinyl Chloride	1,2-Dichloropropane	Methylene Chloride
			ug/kg									
Residential, non-drinking water ESL			180	9,300	4,700	1,500	88	1,600	260	6.7	52	520
Commercial, non-drinking water ESL			380	9,300	13,000	1,500	250	3,600	730	19	150	1,500
SB-22@3.0	1/7/2004	3.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
SB-22@6.0	1/7/2004	6.0	<200	<200	<200	670	<400	<400	<400	<400	<400	<400
SB-22@9.0	1/7/2004	9.0	<200	<200	<200	770	<100	<100	<100	<100	<100	<100
SB-23@3	1/6/2004	3.0	<5.0	<5.0	<5.0	<5.0	13	<5.0	<5.0	<5.0	<5.0	<5.0
SB-23@6	1/6/2004	6.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
SB-23@9	1/6/2004	9.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
SB-24@3	1/5/2004	3.0	<500	<500	<500	<500	<400	<400	<400	<400	<400	<400
SB-24@6	1/5/2004	6.0	<200	<200	240	<200	<400	<400	<400	<400	<400	<400
SB-24@9	1/5/2004	9.0	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
SB-26@7.5	1/7/2004	7.5	<200	<200	<200	<200	<100	<100	<100	<100	<100	<100
SB-26@11.5	1/7/2004	11.5	<200	<200	<200	330	<50	<50	<50	<50	<50	<50
Previous Cambria Samples												
SB-1-3.5	11/25/2002	3.5	<5.0	37	16	120	44	<5.0	<5.0	<5.0	<5.0	<5.0
SB-1-7.5	11/25/2002	7.5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
SB-2-3.5	11/25/2002	3.5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
SB-2-11.5	11/25/2002	11.5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
SB-3-7.5	11/25/2002	7.5	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
SB-3-11.5	11/25/2002	11.5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
SB-4-3.5	11/25/2002	3.5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
SB-4-7.5	11/25/2002	7.5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
SB-4-11.5	11/25/2002	11.5	<5.0	<5.0	7.4	11	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
SB-5-7.5	11/25/2002	7.5	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200
SB-5-11.5	11/25/2002	11.5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0

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Table 2. Soil Analytical Data: Volatile Organic Compounds - 1137-1167 65th Street, Oakland, California

Sample ID	Date Sampled	Depth (ft)	Benzene	Toulene	Ethylbenzene	Xylenes	Tetrachloroethene	cis-1,2-Dichloroethene	Trichloroethene	Vinyl Chloride	1,2-Dichloropropane	Methylene Chloride
			ug/kg									
Residential, non-drinking water ESL			180	9,300	4,700	1,500	88	1,600	260	6.7	52	520
Commercial, non-drinking water ESL			380	9,300	13,000	1,500	250	3,600	730	19	150	1,500
SB-7-3.5	11/25/2002	3.5	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
SB-7-7.5	11/25/2002	7.5	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
SB-7-17.5	11/25/2002	17.5	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
SB-8-3	11/25/2002	3.0	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500
SB-8-6	11/25/2002	6.0	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000
SB-8-9	11/25/2002	9.0	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
SB-9-6	11/25/2002	6.0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
SB-9-9	11/25/2002	9.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
SB-10-3	11/25/2002	3.0	<5.0	<5.0	<5.0	<5.0	56	<5.0	<5.0	<5.0	<5.0	<5.0
SB-10-6	11/25/2002	6.0	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
SB-10-9	11/25/2002	9.0	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500
SB-10-12	11/25/2002	12.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	18	<5.0	<5.0
SB-11-7.5	11/25/2002	7.5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Previous SCI Samples												
Tank 1 Bottom	2/25/2002	--	<130	<130	<130	<130	<130	<130	<130	<130	<130	<130
Tank 2 Bottom	2/25/2002	--	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250
Tank 3 Bottom	2/25/2002	--	<250	<250	<250	<250	310	<250	<250	<250	<250	<250
Tank 4 Bottom	2/25/2002	--	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250
E End @ 6'	2/25/2002	6.0	<250	<250	<250	950	<250	<250	<250	<250	<250	<250
W End @ 6'	2/25/2002	6.0	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250
Pipe #1	2/25/2002	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Pipe #2	2/25/2002	--	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9
Tank 5 E End	3/7/2002	--	<2,000	<2,000	8,600	<2,000	<2,000	<2,000	<2,000	<2,000	<2,000	<2,000
Tank 5 W End	3/7/2002	--	<1,700	<1,700	5,900	<1,700	<1,700	<1,700	<1,700	<1,700	<1,700	<1,700
Tank 6 N Wall	3/7/2002	2.0	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7
Tank 6 S Wall	3/7/2002	5.0	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8
Tank 6 E End	3/7/2002	--	<420	<420	<420	<420	<420	<420	<420	<420	<420	<420
Tank 6 W End	3/7/2002	--	<3,100	<3,100	<3,100	<3,100	<3,100	<3,100	<3,100	<3,100	<3,100	<3,100

Table 2. Soil Analytical Data: Volatile Organic Compounds - 1137-1167 65th Street, Oakland, California

Sample ID	Date Sampled	Depth (ft)	Benzene	Toulene	Ethylbenzene	Xylenes	Tetrachloroethene	cis-1,2-Dichloroethene	Trichloroethene	Vinyl Chloride	1,2-Dichloropropane	Methylene Chloride
			ug/kg									
Residential, non-drinking water ESL			180	9,300	4,700	1,500	88	1,600	260	6.7	52	520
Commercial, non-drinking water ESL			380	9,300	13,000	1,500	250	3,600	730	19	150	1,500

Abbreviations and Methods:

Bold values represent concentrations above the commericial ESL.

ug/kg = Micrograms per kilogram, equivalent to parts per billion (ppb)

Volatile organic compounds by EPA Method 8260B

< n = Chemical not present at a concentration in excess of detection limit shown

ND = None detected above laboratory reporting limit, see laboratory report for individual reporting limits.

Residential ESL = Table B - Environmental Screening Levels Shallow Soils <3 meters (Groundwater is not a Current or Potential Source of Drinking Water) established by the SFBRWQCB, Interim Final July 2003.

Commercial ESL = Table B - Environmental Screening Levels Shallow Soils <3 meters (Groundwater is not a Current or Potential Source of Drinking Water) established by the SFBRWQCB, Interim Final July 2003.

(160,000) = No RBSL published for component. The value presented is from EPA's Preliminary Remediation Goals (PRG), 2000.

CAMBRIA

Table 3. Groundwater Analytical and Elevation Data: Petroleum Hydrocarbons - 1137-1167 65th Street, Oakland, California

Boring ID *TOC* *(ft*)*	Date Sampled	Groundwater Elevation (ft)/ *Screen Interval (ft bgs)*	Depth to Water (ft)	TPHmo	TPHd	TPHss	TPHg	Notes
				← ug/L →				
ESL - Potential Drinking Water Source				100	100	100	100	
ESL - Not a Potential Drinking Water Source				640	640	500	500	
Current Cambria Samples								
SB-12A	1/13/2004	*8 to 13*	4.5	300	130	<50	230	h,c,e,d,f
SB-14A	1/9/2004	*2 to 7*	4.0	<250	<50	<50	<50	c
SB-14C	1/9/2004	*30.5 to 35.5*	NW	---	---	---	---	
SB-15A	1/12/2004	*8 to 13*	4.0	290	**2,400**	**2,500**	**2,700**	a,c,d
SB-16A	1/12/2004	*8 to 13*	4.0	**9,800**	**23,000**	**1,500**	**1,700**	a,b,c,d,e,i
SB-17A	1/13/2004	*8 to 13*	NW	---	---	---	---	
SB-17B	1/8/2004	*17 to 22*	16.5	<250	95	<50	120	c,d,f,g
SB-17C	1/13/2004	*29 to 34*	NW	---	---	---	---	
SB-18A	1/6/2004	*7 to 12*	1.5	<2,500	**11,000**	**2,100**	**3,900**	d,b
SB-18B**	1/9/2004	*26 to 31*	25.0	<250	92	<50	250	g,h
SB-18C	1/9/2004	*35 to 40*	34.0	---	---	170	300	c,g,h
SB-19A	1/13/2004	*14 to 19*	NW	---	---	---	---	
SB-20A	1/13/2004	*8 to 13*	8.0	<250	**1,400**	**610**	**680**	b,d,j
SB-20C	1/13/2004	*29 to 34*	31.0	<250	<50	<50	<50	c
SB-21A	1/20/2004	*4.5 to 9.5*	8.5	<25,000	**110,000**	**5,600**	**6,100**	a,b,i,k
SB-22A	1/7/2004	*5 to 10*	NW	---	---	---	---	
SB-22C	1/7/2004	*41 to 46**	--	<250	110	<50	<50	c,f
SB-25A	1/8/2004	*5 to 10*	5.0	<250	64	<50	<50	c,f,g
SB-25C	1/8/2004	*29 to 34*	29.0	<250	<50	<50	<50	c

Table 3. Groundwater Analytical and Elevation Data: Petroleum Hydrocarbons - 1137-1167 65th Street, Oakland, California

Boring ID *TOC* *(ft*)*	Date Sampled	Groundwater Elevation (ft)/ *Screen Interval* *(ft bgs)*	Depth to Water (ft)	TPHmo	TPHd	TPHss	TPHg	Notes
				← ug/L →				
ESL - Potential Drinking Water Source				100	100	100	100	
ESL - Not a Potential Drinking Water Source				640	640	500	500	
SB-26A	1/7/2004	*8 to 13*	4.0	**1,000**	**5,300**	**2,600**	**3,000**	c,d,e
Previous Cambria Samples								
SB-1	11/25/2002	35.39	3.45	---	---	---	---	
(38.84)	11/26/2002	35.44	3.40	**7,500**	**2,000**	<50	58	
SB-2	11/25/2002	11.61	29.50	---	---	---	---	
(41.11)	11/26/2002	29.46	11.65	<250	<50	<50	<50	
SB-4	11/25/2002	34.02	6.90	---	---	---	---	
(40.92)	11/26/2002	34.82	6.10	---	---	---	---	SPH
SB-6	11/25/2002	28.24	11.25	---	---	---	---	
(39.49)	11/26/2002	32.19	7.30	620	**23,000**	**7,800**	**8,700a,b,c**	
SB-7	11/25/2002	28.20	10.30	---	---	---	---	
(38.50)	11/26/2002	30.10	8.40	<25,000	**120,000**	**5,800**	**6,100a,b,c**	
SB-8	11/25/2002	36.30	4.70	---	---	---	---	
(41.00)	11/26/2002	36.55	4.65	<250,000	**1,200,000**	**100,000**	**110,000a,b,c**	
SB-9	11/25/2002	16.02	25.00	---	---	---	---	
(41.02)	11/26/2002	17.07	23.95	300	50	<50	<50c	
SB-10	11/25/2002	29.27	11.60	---	---	---	---	
(40.87)	11/26/2002	31.12	9.75	<250	350	200	260a,c	
SB-11	11/25/2002	12.15	29.30	---	---	---	---	
(41.45)	11/26/2002	19.55	21.90	<250	<50	<50	<50	

Table 3. Groundwater Analytical and Elevation Data: Petroleum Hydrocarbons - 1137-1167 65th Street, Oakland, California

Boring ID *TOC* *(ft*)*	Date Sampled	Groundwater Elevation (ft)/ *Screen Interval (ft bgs)*	Depth to Water (ft)	TPHmo	TPHd	TPHss	TPHg	Notes
				← ug/L →				
ESL - Potential Drinking Water Source				100	100	100	100	
ESL - Not a Potential Drinking Water Source				640	640	500	500	
Previous SCI Samples								
Interior	2/20/2002	---	---	---	**94,000**	**13,000**	**21,000**	
Exterior	2/25/2002	---	---	---	**82,000**	**42,000**	**66,000**	

Abbreviations:

Bold values represent concentrations above the non-drinking water ESL.

TOC Elev. (ft) = Top of casing elevation in feet above mean sea level

ug/L = micrograms per liter = parts per billion = ppb

TPHmo = Total petroleum hydrocarbons as motor oil by EPA Method 8015C with silica gel cleanup

TPHd = Total petroleum hydrocarbons as diesel by EPA Method 8015C with silica gel cleanup

TPHss = Total petroleum hydrocarbons as Stoddard solvent by EPA Method 8021B/8015Cm

TPHg = Total petroleum hydrocarbons as gasoline by EPA Method 8021B/8015Cm

TPHnap = Total petroleum hydrocarbons as naphtha by EPA Method 8015m/8020

ND = None detected above laboratory reporting limit, see laboratory report for individual reporting limits.

--- = Not available, not analyzed, or does not apply.

< n = Chemical not present at a concentration in excess of detection limit shown.

SPH = Separate phase hydrocarbons detected in well; no groundwater collected.

Notes:

* = Grab groundwater sample was collected without protection against cross contamination between groundwater zones; sample may not be discrete.

** = Sample SB-18B collected in the C-zone

a = Laboratory note: TPH pattern that does not appear to be derived from gasoline (Stoddard solvent/mineral spirit?)

b = Laboratory note: lighter than water immiscible sheen/product is present

c = Laboratory note: liquid sample that contains greater than ~2 vol. % sediment

d = Laboratory note: gasoline range compounds are significant

e = Laboratory note: oil range compounds are significant

f = Laboratory note: diesel range compounds are significant; no recognizable pattern

g = Laboratory note: one to a few isolated non-target peaks present

h = Laboratory note: unmodified or weakly modified gasoline is significant

i = Laboratory note: sample diluted due to high organic content

j = Laboratory note: strongly aged gasoline or diesel range compounds are significant

k = Laboratory note: stoddard solvent/mineral spirit

Table 3. Groundwater Analytical and Elevation Data: Petroleum Hydrocarbons - 1137-1167 65th Street, Oakland, California

Boring ID *TOC* *(ft*)*	Date Sampled	Groundwater Elevation (ft)/ *Screen Interval* *(ft bgs)*	Depth to Water (ft)	TPHmo	TPHd	TPHss	TPHg	Notes
				← ug/L →				
ESL - Potential Drinking Water Source				100	100	100	100	
ESL - Not a Potential Drinking Water Source				640	640	500	500	

ESL - Potential Drinking Water Source = Table A - Environmental Screening Levels (Groundwater is a Current or Potential Source of Drinking Water) established by the SFBRWQCB, Interim Final July 2003.

ESL - Not A Potential Drinking Water Source = Table B - Environmental Screening Levels (Groundwater is not a Current or Potential Source of Drinking Water) established by the SFBRWQCB, Interim Final July 2003.

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Table 4. Groundwater Analytical and Elevation Data: Volatile Organic Compounds - 1137-1167 65th Street, Oakland, Calif.

Boring ID (TOC) (ft*)	Date Sampled	Screen Interval / Groundwater Elevation (ft)	Depth to Water (ft)	Benzene	Toulene	Ethylbenzene	Xylenes	Tetrachloroethene	cis-1,2-Dichloroethene	Trichloroethene	Vinyl Chloride	1,2-Dichloropropane	Methylene Chloride	Notes
				ug/L										
ESL - Potential Drinking Water Source				1.0	40	30	13	5.0	6.0	5.0	0.5	5.0	5.0	
ESL - Not a Potential Drinking Water Source				46	130	290	13	120	590	360	4.0	100	2,200	
Current Cambria Samples														
SB-12A	1/13/2004	*8 to 13*	4.5	<0.5	2.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
SB-14A	1/9/2004	*2 to 7*	4.0	0.58	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
SB-14C	1/9/2004	*30.5 to 35.5*	NW	---	---	---	---	---	---	---	---	---	---	
SB-15A	1/12/2004	*8 to 13*	4.0	<0.5	<0.5	<0.5	**17**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
SB-16A	1/12/2004	*8 to 13*	4.0	0.65	0.51	1.3	7.7	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	
SB-17A	1/13/2004	*8 to 13*	NW	---	---	---	---	---	---	---	---	---	---	
SB-17B	1/8/2004	*17 to 22*	16.5	<0.5	<0.5	<0.5	<0.5	<50	**1,100**	<50	<50	<50	<50	
SB-17C	1/13/2004	*29 to 34*	NW	---	---	---	---	---	---	---	---	---	---	
SB-18A	1/6/2004	*7 to 12*	1.5	<5.0	<5.0	<5.0	11	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	
SB-18B**	1/9/2004	*26 to 31*	25.0	0.54	<0.5	<0.5	0.64	**630**	**1,800**	**430**	<100	<100	<100	
SB-18C	1/9/2004	*35 to 40*	34.0	0.82	<0.5	<0.5	1.3	**300**	**1,200**	250	<50	<50	<50	
SB-19A	1/13/2004	*14 to 19*	NW	---	---	---	---	---	---	---	---	---	---	
SB-20A	1/13/2004	*8 to 13*	8.0	<0.5	<0.5	<0.5	3.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
SB-20C	1/13/2004	*29 to 34*	31.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
SB-21A	1/20/2004	*4.5 to 9.5*	8.5	<5.0	<5.0	<5.0	<5.0	<50	<50	<50	<50	<50	<50	
SB-22A	1/7/2004	*5 to 10*	NW											
SB-22C	1/7/2004	*41 to 46**	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	

Table 4. Groundwater Analytical and Elevation Data: Volatile Organic Compounds - 1137-1167 65th Street, Oakland, Calif.

Boring ID (TOC) (ft*)	Date Sampled	Screen Interval / Groundwater Elevation (ft)	Depth to Water (ft)	Benzene	Toulene	Ethylbenzene	Xylenes	Tetrachloroethene	cis-1,2-Dichloroethene	Trichloroethene	Vinyl Chloride	1,2-Dichloropropane	Methylene Chloride	Notes
				ug/L										
ESL - Potential Drinking Water Source				1.0	40	30	13	5.0	6.0	5.0	0.5	5.0	5.0	
ESL - Not a Potential Drinking Water Source				46	130	290	13	120	590	360	4.0	100	2,200	
SB-25A	1/8/2004	*5 to 10*	5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
SB-25C	1/8/2004	*29 to 34*	29.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
SB-26A	1/7/2004	*8 to 13*	4.0	6.2	<5.0	<5.0	**13**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
Previous Cambria Samples														
SB-1	11/25/2002	35.39	3.45	---	---	---	---	---	---	---	---	---	---	
(38.84)	11/26/2002	35.44	3.40	1.7	3.2	0.55	3.6	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	a,b,c
SB-2	11/25/2002	11.61	29.50	---	---	---	---	---	---	---	---	---	---	
(41.11)	11/26/2002	29.46	11.65	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
SB-4	11/25/2002	34.02	6.90	---	---	---	---	---	---	---	---	---	---	
(40.92)	11/26/2002	34.82	6.10	---	---	---	---	---	---	---	---	---	---	SPH
SB-6	11/25/2002	28.24	11.25	---	---	---	---	---	---	---			---	
(39.49)	11/26/2002	32.19	7.30	2.1	1.2	<0.5	0.55	<0.5	1.2	<0.5	0.90	<0.5	<0.5	d,e,f,g
SB-7	11/25/2002	28.20	10.30	---	---	---	---	---	---	---	---	---	---	
(38.50)	11/26/2002	30.10	8.40	<0.5	0.74	<0.5	3	<0.5	<0.5	<0.5	1.3	<0.5	<0.5	i,,j,k,l,m
SB-8	11/25/2002	36.30	4.70	---	---	---	---	---	---	---	---	---	---	
(41.00)	11/26/2002	36.55	4.65	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	o
SB-9	11/25/2002	16.02	25.00	---	---	---	---	---	---	---	---	---	---	
(41.02)	11/26/2002	17.07	23.95	<0.5	0.88	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	

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Table 4. Groundwater Analytical and Elevation Data: Volatile Organic Compounds - 1137-1167 65th Street, Oakland, Calif.

Boring ID *(TOC)* *(ft*)*	Date Sampled	*Screen Interval /* Groundwater Elevation (ft)	Depth to Water (ft)	Benzene	Toulene	Ethylbenzene	Xylenes	Tetrachloroethene	cis-1,2-Dichloroethene	Trichloroethene	Vinyl Chloride	1,2-Dichloropropane	Methylene Chloride	Notes
				ug/L										
ESL - Potential Drinking Water Source				1.0	40	30	13	5.0	6.0	5.0	0.5	5.0	5.0	
ESL - Not a Potential Drinking Water Source				46	130	290	13	120	590	360	4.0	100	2,200	
SB-10	11/25/2002	29.27	11.60	---	---	---	---	---	---	---	---	---	---	
(40.87)	11/26/2002	31.12	9.75	<2.5	3.4	<2.5	<2.5	<2.5	170	<2.5	45	<2.5	<2.5	p,q
SB-11	11/25/2002	12.15	29.30	---	---	---	---	---	---	---	---	---	---	
(41.45)	11/26/2002	19.55	21.90	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	t
Trip Blank	11/26/2002	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
Previous SCI Samples														
Interior	2/20/2002	---	---	**47**	<5.0	9.4	**114**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
Exterior	2/20/2002	---	---	<7.1	<7.1	<7.1	**24**	83	9.6	<7.1	<7.1	<7.1	<7.1	

Abbreviations:

TOC Elev. (ft) = Top of casing elevation in feet above mean sea level

ug/L = micrograms per liter = parts per billion = ppb

Volatile organic compounds by EPA Method 8260B

--- = Not available, not analyzed, or does not apply

< n = Chemical not present at a concentration in excess of detection limit shown

* = Grab groundwater sample was collected without protection against cross contamination between groundwater zones; may not be discrete.

** = Sample 18B collected in the C-zone

Bold values represent concentrations above the non-drinking water ESL.

Notes:

a = Carbon Disulfide: 0.64 ug/L

a = 2-Hexanone: 0.58 ug/L

b = Methyl tertiary-butyl ether (MTBE): 5.1 ug/L

d = tert-Butylbenzene: 4.6 ug/L

e = Chloroethane: 3.8 ug/L

f = 1,1-Dichloroethene: 1.4 ug/L

g = trans-1,2-Dichloroethene: 2.6 ug/L

i = tert-Butylbenzene: 7.3 ug/L

j = Chloroethane: 16 ug/L

k = 1,1-Dichloroethene: 1.7 ug/L

l = trans-1,2-Dichloroethene: 0.99 ug/L

m = 1,1,2,2-Tetrachloroethane: 16 ug/L

o = 1,2-Dichlorobenzene: 20 ug/L

p = 1,1-Dichloroethene: 19 ug/L

q = trans-1,2-Dichloroethene: 3.9 ug/L

t = Methyl tertiary-butyl ether (MTBE): 3.9 ug/L

ESL - Potential Drinking Water Source = Table A - Environmental Screening Levels (Groundwater is a Current or Potential Source Drinking Water) established by the SFBRWQCB, Interim Final July 2003.

ESL - Not A Potential Drinking Water Source = Table B - Environmental Screening Levels (Groundwater is not a Current or Potential Source of Drinking Water)

Table 4. Groundwater Analytical and Elevation Data: Volatile Organic Compounds - 1137-1167 65th Street, Oakland, Calif.

Boring ID *(TOC)* *(ft*)*	Date Sampled	*Screen Interval /* Groundwater Elevation (ft)	Depth to Water (ft)	Benzene	Toulene	Ethylbenzene	Xylenes	Tetrachloroethene	cis-1,2-Dichloroethene	Trichloroethene	Vinyl Chloride	1,2-Dichloropropane	Methylene Chloride	Notes
				ug/L										
ESL - Potential Drinking Water Source				1.0	40	30	13	5.0	6.0	5.0	0.5	5.0	5.0	
ESL - Not a Potential Drinking Water Source				46	130	290	13	120	590	360	4.0	100	2,200	

established by the SFBRWQCB, Interim Final July 2003.

Appendix A

Boring Logs

Cambria Environmental Technology, Inc.
5900 Hollis Street, Suite A
Emeryville, California 94608
Telephone: (510) 420-0700
Fax: (510) 420-9170

DRAFT

BORING/WELL LOG

CLIENT NAME	John Nady	**BORING/WELL NAME**	SB-12A
JOB/SITE NAME	65th Street	**DRILLING STARTED**	12-Jan-04
LOCATION	1137-1167 65th Street, Oakland, California	**DRILLING COMPLETED**	13-Jan-04
PROJECT NUMBER	522-1000	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Precision	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hydraulic push, Truck mounted Envirocore	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2.5 inches	**SCREENED INTERVAL**	NA
LOGGED BY	M. Meyers	**DEPTH TO WATER (First Encountered)**	4.5 ft (12-Jan-04) ▽
REVIEWED BY	R. Clark-Riddell, PE# 49629	**DEPTH TO WATER (Static)**	NA ▼

REMARKS Located in Peabody Ln. near SE corner of property. Temp casing w 5 ft of screen (8 to 13 ft bgs) installed to collect GW samples

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
						ML		**ASPHALT**: 3 inches thick. **Clayey SILT** (ML): dark brown; stiff; moist; 30% clay, 60% silt, 10% fine to coarse grained sand; low plasticity; low estimated permeability.	0.3	
					5			@ 4': becomes olive gray; wet; 30% clay, 70% silt; medium plasticity; slight odor. ▽		
3.0									7.0	◄ Portland Type I/II Cement
5.4						ML		**Gravelly Sandy SILT** (ML): olive gray and light brown; very stiff; moist; 60% silt, 20% fine to very coarse grained sand, 20% angular gravel to 20mm in diameter; low plasticity; moderate estimated permeability; mottled.	10.0	
7.6					10	ML		**Sandy SILT** (ML): light brown; very stiff; moist; 10% clay, 60% silt, 30% fine to coarse grained sand; low plasticity; moderate estimated permeability.	13.0	Bottom of Boring @ 13 ft

WELL LOG (PID/TPHG) H:\NADY\NADY.GPJ DEFAULT.GDT 2/23/04

Cambria Environmental Technology, Inc.
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Emeryville, California 94608
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BORING/WELL LOG

DRAFT

CLIENT NAME	John Nady	**BORING/WELL NAME**	SB-13
JOB/SITE NAME	65th Street	**DRILLING STARTED**	05-Jan-04
LOCATION	1137-1167 65th Street, Oakland, California	**DRILLING COMPLETED**	05-Jan-04
PROJECT NUMBER	522-1000	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Precision	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hydraulic push, limited access Envirocore	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2 3/8 inches	**SCREENED INTERVAL**	NA
LOGGED BY	M. Meyers	**DEPTH TO WATER (First Encountered)**	NA ▽
REVIEWED BY	R. Clark-Riddell, PE# 49629	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Located onsite inside studio building near center of property, no GW encountered.		

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
170						SM		**CONCRETE**: 3 inches thick.	0.3	
								Silty SAND (SM): gray; medium dense; damp; 30% silt, 70% very fine to fine grained sand; high estimated permeability.		
								@ 2': odor encountered.		
								@ 4': gravel size concrete fragments to 35mm in diameter encountered.	5.0	
145					5					
405	140		SB-13 @6			MH		**Clayey SILT** (MH): blue gray; medium stiff; moist; 40% clay, 60% silt; high plasticity; low estimated permeability.	7.0	Portland Type I/II Cement
						SM		**Clayey Silty SAND** (SM): blue gray and light brown; medium dense; damp; 30% clay, 30% silt, 40% fine grained sand; medium estimated permeability; mottled.		
								@ 9': becomes predominantly orange brown; 15% clay, 20% silt, 60% fine grained sand, 5% gravel to 20mm in diameter; high estimated permeability.		
					10					
285	260		SB-13 @11.5						12.0	Bottom of Boring @ 12 ft

WELL LOG (PID/TPHG) H:\NADY\NADY.GPJ DEFAULT.GDT 2/23/04

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BORING/WELL LOG

DRAFT

CLIENT NAME	John Nady	**BORING/WELL NAME**	SB-14A/C
JOB/SITE NAME	65th Street	**DRILLING STARTED**	09-Jan-04
LOCATION	1137-1167 65th Street, Oakland, California	**DRILLING COMPLETED**	09-Jan-04
PROJECT NUMBER	522-1000	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Precision	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hydraulic push, track mounted Envirocore	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2 3/8 inches	**SCREENED INTERVAL**	NA
LOGGED BY	M. Meyers	**DEPTH TO WATER (First Encountered)**	4.0 ft (09-Jan-04) ▽
REVIEWED BY	R. Clark-Riddell, PE# 49629	**DEPTH TO WATER (Static)**	NA ▼

REMARKS Located in Peabody Lane near former pump location. No GW in C-zone. A-zone GW sample collected from above 5 ft bgs, C-zo

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
						ML		**CONCRETE**: 3 inches thick. **Sandy SILT** (ML): dark brown; stiff; moist; 10% clay, 60% silt, 30% fine to medium grained sand; low plasticity; medium estimated permeability.	0.3 3.0	
						ML		**Clayey SILT** (ML): light brown; stiff; moist; 15% clay, 80% silt, 5% fine grained sand; low plasticity; low estimated permeability. ▽	5.0	
6					5			@ 4': becomes wet. **Sandy SILT** (ML): gray; stiff; moist; 10% clay, 55% silt, 30% fine to very coarse grained sand, 5% gravel to 10mm in diameter; low plasticity; moderate estimated permeability; mottled.		
72	210		SB-14 @7.5					@ 7': becomes green gray; medium stiff; wet; 70% silt, 30% fine to medium grained sand.		
					10			@ 10': becomes stiff; moist; 60% silt, 30% very coarse grained sand, 10% well rounded gravel to 20mm in diameter; some shell fragments.		
21	<1.0		SB-14 @11.5					@ 11': becomes light brown; damp; 50% silt, 30% fine to very coarse grained sand, 20% subrounded gravel to 20mm in diameter; some shell fragments; mottled; FeO2 staining.		
2								@ 13': becomes very stiff.		
					15					
0.7						ML				Portland Type I/II Cement
1.5					20			@ 19': becomes orange brown; stiff; moist; 55% silt, 40% fine grained sand, 5% well rounded gravel to 10mm in diameter; some shell fragments.		
0										
0.7					25					
2.2								@ 27': becomes 70% silt, 30% fine to very coarse grained sand. @ 28': becomes light brown; 70% silt, 30% fine grained sand; with less FeO2 staining.		
0					30				32.0	
						SM		**Silty SAND** (SM): orange brown; dense; moist; 40% silt, 60% fine grained sand; moderate estimated permeability.	34.0	
0					35	ML		**Clayey SILT** (ML): light brown; very stiff; damp; 30%		

WELL LOG (PID/TPHG) H:\NADY\NADY.GPJ DEFAULT.GDT 2/23/04

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BORING/WELL LOG

CLIENT NAME	John Nady	**BORING/WELL NAME**	SB-14A/C
JOB/SITE NAME	65th Street	**DRILLING STARTED**	09-Jan-04
LOCATION	1137-1167 65th Street, Oakland, California	**DRILLING COMPLETED**	09-Jan-04

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PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
				☒				clay, 70% silt; medium plasticity; low estimated permeability. @ 35.5' Encountered drilling refusal.	35.5	Bottom of Boring @ 35.5 ft

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BORING/WELL LOG

CLIENT NAME	John Nady	**BORING/WELL NAME**	SB-15A
JOB/SITE NAME	65th Street	**DRILLING STARTED**	12-Jan-04
LOCATION	1137-1167 65th Street, Oakland, California	**DRILLING COMPLETED**	12-Jan-04
PROJECT NUMBER	522-1000	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Precision	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hydraulic push, Truck mounted Envirocore	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2.5 inches	**SCREENED INTERVAL**	NA
LOGGED BY	M. Meyers	**DEPTH TO WATER (First Encountered)**	4.0 ft (12-Jan-04) ▽
REVIEWED BY	R. Clark-Riddell, PE# 49629	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Located on south side of Peabody Ln. Temp casing w 5 ft of screen (8 to 13 ft bgs) installed to collect GW samples.		

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
								ASPHALT: 4 inches thick.	0.3	
						ML		**Sandy SILT** (ML): dark brown; stiff; moist; 60% silt, 30% fine to very coarse grained sand, 10% gravel to 10mm in diameter; low plasticity; moderate estimated permeability.		
								@ 4': becomes wet. ▽	5.0	
>1,000					5	ML		**Clayey SILT** (ML): greenish gray; very stiff; wet; 30% clay, 65% silt, 5% very coarse grained sand; low plasticity; low estimated permeability.	6.0	
802	1,500		SB-15 @7.5			SM		**Silty SAND** (SM): blue gray; dense; wet; 30% silt, 70% fine grained sand; moderate estimated permeability; odor. @ 8': becomes moist; 30% silt, 50% sand, 20% angular gravel to 30mm in diameter.		◄ Portland Type I/II Cement
					10				10.0	
1.7	<1.0		SB-15 @11.5			ML		**Sandy SILT** (ML): light brown; very stiff; moist; 50% silt, 40% very coarse grained sand, 10% well rounded gravel to 20mm in diameter; low plasticity; moderate estimated permeability.	13.0	Bottom of Boring @ 13 ft

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BORING/WELL LOG

CLIENT NAME	John Nady	**BORING/WELL NAME**	SB-16A
JOB/SITE NAME	65th Street	**DRILLING STARTED**	12-Jan-04
LOCATION	1137-1167 65th Street, Oakland, California	**DRILLING COMPLETED**	12-Jan-04
PROJECT NUMBER	522-1000	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Precision	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hydraulic push, Truck mounted Envirocore	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2.5 inches	**SCREENED INTERVAL**	NA
LOGGED BY	M. Meyers	**DEPTH TO WATER (First Encountered)**	4.0 ft (12-Jan-04) ▽
REVIEWED BY	R. Clark-Riddell, PE# 49629	**DEPTH TO WATER (Static)**	NA ▼

REMARKS Located on north side of Peabody Ln. Temp casing w 5 ft of screen (8 to 13 ft bgs) installed to collect GW samples.

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
								ASPHALT: 6 inches thick.	0.5	
						ML		**Gravelly Sandy SILT** (ML): dark brown; stiff; moist; 10% clay, 60% silt, 15% fine to very coarse grained sand, 15% gravel to 30mm in diameter; moderate estimated permeability.		
								▽	4.0	
56					5	ML		**Clayey SILT** (ML): greenish gray; soft; wet; 30% clay, 60% silt, 10% very coarse grained sand; medium plasticity; low estimated permeability.	7.0	Portland Type I/II Cement
126	90		SB-16 @7.5			ML		**Sandy SILT** (ML): greenish gray; very stiff; moist; 10% clay, 50% silt, 40% fine grained sand; low plasticity; moderate estimated permeability; odor.		
					10				11.0	
5.7	<1.0		SB-16 @11.5			ML		***Gravelly Sandy SILT*** (ML): *light brown; very stiff; moist;* 60% silt, 20% fine to very coarse grained sand, 20% well rounded gravel to 15mm in diameter; low plasticity; moderate estimated permeability.	13.0	Bottom of Boring @ 13 ft

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DRAFT

BORING/WELL LOG

CLIENT NAME	John Nady	**BORING/WELL NAME**	SB-17A/C
JOB/SITE NAME	65th Street	**DRILLING STARTED**	13-Jan-04
LOCATION	1137-1167 65th Street, Oakland, California	**DRILLING COMPLETED**	13-Jan-04
PROJECT NUMBER	522-1000	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Precision	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hydraulic push, Truck mounted Envirocore	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2.5 inches	**SCREENED INTERVAL**	NA
LOGGED BY	M. Meyers	**DEPTH TO WATER (First Encountered)**	28.0 ft (13-Jan-04) ▽
REVIEWED BY	R. Clark-Riddell, PE# 49629	**DEPTH TO WATER (Static)**	NA ▼

REMARKS Located on south side of Peabody Ln. Temp casing w 5 ft of screen (8 to 13 & 29 to 34 ft bgs) installed to collect GW samples.

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
								CONCRETE: 3 inches thick.	0.3	
						ML		**Sandy SILT** (ML): dark brown; medium stiff; moist; 10% clay, 50% silt, 30% fine to coarse grained sand, 10% angular gravel to 15mm in diameter; low plasticity; moderate estimated permeability.	4.0	
					5			**Clayey SILT** (ML): brown; stiff; damp; 30% clay, 60% silt, 10% very fine to fine grained sand; low plasticity; low estimated permeability. @ 6': becomes 30% clay, 60% silt, 5% very fine to fine *grained sand, 5% well rounded gravel to 10mm in* diameter. @ 8': becomes very stiff; with no gravel.		
					10	ML				
					15			@ 14': becomes 25% clay, 60% silt, 10% very fine to fine grained sand, 5% well rounded gravel to 10mm in diameter.	16.5	
						SM		**Silty SAND** (SM): brown; medium dense; wet; 40% silt, 60% fine grained sand; moderate estimated permeability. @ 19': rock encountered >40mm in diameter.		◄ Portland Type I/II Cement
					20	ML		**Sandy SILT** (ML): brown; stiff; damp; 10% clay, 60% silt, 20% fine grained sand, 10% well rounded gravel to 20mm in diameter; low plasticity; moderate estimated permeability.	20.0	
0								**Clayey SILT** (ML): light brownish gray; stiff; moist; 25% clay, 70% silt, 5% coarse grained sand; medium plasticity; low estimated permeability.	22.0	
0					25	ML		@ 25': becomes 20% clay, 70% silt, 5% coarse grained sand, 5% well rounded gravel to 10mm in diameter.		
0								▽	28.0	
0					30	ML		**Gravelly Sandy SILT** (ML): light brownish gray; stiff; wet; 10% clay, 50% silt, 20% coarse grained sand, 20% well rounded gravel to 10mm in diameter; low plasticity; moderate permeabilty.		
									34.0	Bottom of Boring @ 34 ft

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BORING/WELL LOG

CLIENT NAME	John Nady	**BORING/WELL NAME**	SB-17B
JOB/SITE NAME	65th Street	**DRILLING STARTED**	08-Jan-04
LOCATION	1137-1167 65th Street, Oakland, California	**DRILLING COMPLETED**	08-Jan-04
PROJECT NUMBER	522-1000	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Precision	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hydraulic push, track mounted Envirocore	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2 3/8 inches	**SCREENED INTERVAL**	NA
LOGGED BY	M. Meyers	**DEPTH TO WATER (First Encountered)**	16.5 ft (08-Jan-04) ▽
REVIEWED BY	R. Clark-Riddell, PE# 49629	**DEPTH TO WATER (Static)**	8.5 ft (08-Jan-04) ▼
REMARKS	Located on south side of Peabody Ln. Temp casing w 5 ft of screen (17 to 22 ft bgs) installed to collect GW samples.		

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	DEPTH (ft bgs)	U.S.C.S.	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)
					ML	**CONCRETE**: 3 inches thick.	0.3
						Sandy SILT (ML): dark brown; medium stiff; moist; 10% clay, 50% silt, 30% fine to coarse grained sand, 10% angular gravel to 15mm in diameter; low plasticity; moderate estimated permeability.	
	<1.0		SB-17 B@3.5				4.0
0				5	ML	**Clayey SILT** (ML): brown; stiff; damp; 30% clay, 60% silt, 10% very fine to fine grained sand; low plasticity; low estimated permeability.	
						@ 6': becomes 30% clay, 60% silt, 5% very fine to fine grained sand, 5% well rounded gravel to 10mm in diameter.	
0	<1.0		SB-17 B@7.5			@ 8': becomes very stiff; with no gravel. ▼	
				10	ML		
	<1.0		SB-17 B@11.5				
0							
0							
				15		@ 14': becomes 25% clay, 60% silt, 10% very fine to fine grained sand, 5% well rounded gravel to 10mm in diameter.	
0						▽	16.5
	<1.0		SB-17 B@17.5		SM	**Silty SAND** (SM): brown; medium dense; wet; 40% silt, 60% fine grained sand; moderate estimated permeability.	
0							
						@ 19': rock encountered >40mm in diameter.	
	<1.0		SB-17 B@20	20			20.0
0					ML	**Sandy SILT** (ML): brown; stiff; damp; 10% clay, 60% silt, 20% fine grained sand, 10% well rounded gravel to 20mm in diameter; low plasticity; moderate estimated permeability.	22.0

WELL DIAGRAM: Portland Type I/II Cement; Bottom of Boring @ 22 ft

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BORING/WELL LOG

DRAFT

CLIENT NAME	John Nady	**BORING/WELL NAME**	SB-18A
JOB/SITE NAME	65th Street	**DRILLING STARTED**	06-Jan-04
LOCATION	1137-1167 65th Street, Oakland, California	**DRILLING COMPLETED**	06-Jan-04
PROJECT NUMBER	522-1000	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Precision	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hydraulic push, limited access Envirocore	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2 3/8 inches	**SCREENED INTERVAL**	NA
LOGGED BY	M. Meyers	**DEPTH TO WATER (First Encountered)**	1.5 ft (06-Jan-04) ▽
REVIEWED BY	R. Clark-Riddell, PE# 49629	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Located at SW corner of property. Temp casing w 5 ft of screen (7 to 12 ft bgs) installed to collect GW samples.		

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	DEPTH (ft bgs)	U.S.C.S.	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)
0.0	<1.0		SB-18 @3.5	0	ML	**Clayey SILT** (ML): dark brown; soft; moist; 20% clay, 70% silt, 10% very fine grained sand; low plasticity; low estimated permeability. @ 1.5': becomes wet. ▽	
237	340		SB-18 @7.5	5	SM	**Gravelly Silty SAND** (SM): blue gray; medium dense; moist; 30% silt, 50% very fine to coarse grained sand, 20% very angular to subrounded gravel to 30mm in diameter; moderate estimated permeability.	5.0
191	6.2		SB-18 11.5	10			12.0
				15	ML	**Clayey SILT** (ML): yellowish orange and greenish gray; stiff; moist; 30% clay, 70% silt; low plasticity; low estimated permeability; mottled.	16.0
5.0	2,600		SB-18 @17		CL	**Sandy CLAY** (CL): blue gray; very stiff; damp; 75% clay, 25% fine grained sand; medium plasticity; low estimated permeability.	17.0
654				20		Drilling refusal encountered.	

WELL DIAGRAM: Portland Type I/II Cement; Bottom of Boring @ 20 ft

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BORING/WELL LOG

DRAFT

CLIENT NAME	John Nady	**BORING/WELL NAME**	SB-18B/C
JOB/SITE NAME	65th Street	**DRILLING STARTED**	09-Jan-04
LOCATION	1137-1167 65th Street, Oakland, California	**DRILLING COMPLETED**	09-Jan-04
PROJECT NUMBER	522-1000	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Precision	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hydraulic push, track mounted Envirocore	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2 3/8 inches	**SCREENED INTERVAL**	NA
LOGGED BY	M. Meyers	**DEPTH TO WATER (First Encountered)**	34.0 ft (09-Jan-04) ▽
REVIEWED BY	R. Clark-Riddell, PE# 49629	**DEPTH TO WATER (Static)**	11.0 ft (09-Jan-04) ▼

REMARKS Located at SW corner of property. Temp casing w 5 ft of screen (26 to 31 & 35 to 40 ft bgs) installed to collect GW samples.

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
								Refer to SB-18A for soil description from 0 to 17 ft bgs.		
	1,000		SB-18 @17.5			ML		**Sandy SILT** (ML): blue gray; very stiff; damp; 60% silt, 30% fine to coarse grained sand, 10% gravel to 20mm in diameter; low plasticity; moderate estimated permeability.	17.0	
	<1.0		SB-18 @20.0		20	ML		**Clayey SILT** (ML): light brown; very stiff; damp; 30% clay, 70% silt; medium plasticity; low estimated permeability.	20.0	◄ Portland Type I/II Cement
					25	ML		**Sandy SILT** (ML): light brown; stiff; damp; 10% clay, 60% silt, 30% fine grained sand; low plasticity; moderate estimated permeability. @ 25': becomes soft and moist.	23.0	
						ML		**Clayey SILT** (ML): light brown; very stiff; damp; 30% clay, 70% silt; medium plasticity; low estimated permeability.	26.0	
					30	ML		**Sandy SILT** (ML): light brown; stiff; damp; 80% silt, 20% fine grained sand; low plasticity; moderate estimated permeability.	28.0	
						ML		**Gravelly Sandy SILT** (ML): light brown; very stiff; damp; 60% silt, 25% fine to very coarse grained sand, 15% well rounded gravel to 15mm in diametter; low plasticity; moderate estimated permeability. ▽	31.0	
						SM		**Gravelly Silty SAND** (SM): light brown; dense; wet; 30%	34.0	
					35				35.0	

WELL LOG (PID/TPHG) H:\NADY\NADY.GPJ DEFAULT.GDT 2/23/04

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DRAFT

BORING/WELL LOG

CLIENT NAME	John Nady	**BORING/WELL NAME**	SB-18B/C
JOB/SITE NAME	65th Street	**DRILLING STARTED**	09-Jan-04
LOCATION	1137-1167 65th Street, Oakland, California	**DRILLING COMPLETED**	09-Jan-04

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PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
						SM		silt, 50% medium grained sand, 20% well rounded gravel to 30mm; high estimated permeability.	36.0	
						ML		**Silty SAND** (SM): light brown; medium dense; wet; 20% silt, 80% medium grained sand; high estimated permeability.	37.0	
						SM		**Clayey SILT** (ML): light brown; stiff; moist; 30% clay, 65% silt, 5% well rounded gravel to 20mm in diameter; medium plasticity; low estimated permeability.	38.0	
						ML		**Silty SAND** (SM): light brown; dense; wet; 30% silt, 70% fine to medium grained sand; moderate estimated permeability.	40.0	Bottom of Boring @ 40 ft
					40			**Sandy SILT** (ML): light brown; stiff; moist; 70% silt, 20% fine grained sand, 10% well rounded gravel to 10mm in diameter; low plasticity; moderate estimated permeability.		

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BORING/WELL LOG

CLIENT NAME	John Nady	**BORING/WELL NAME**	SB-19A
JOB/SITE NAME	65th Street	**DRILLING STARTED**	12-Jan-04
LOCATION	1137-1167 65th Street, Oakland, California	**DRILLING COMPLETED**	13-Jan-04
PROJECT NUMBER	522-1000	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Precision	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hydraulic push, Truck mounted Envirocore	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2.5 inches	**SCREENED INTERVAL**	NA
LOGGED BY	M. Meyers	**DEPTH TO WATER (First Encountered)**	9.0 ft (12-Jan-04) ▽
REVIEWED BY	R. Clark-Riddell, PE# 49629	**DEPTH TO WATER (Static)**	NA ▼

REMARKS Located on north side of 65th St. Temp casing w 5 ft of screen (14 to 19 ft bgs) installed to collect GW samples.

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
0.0						SM		**ASPHALT**: 6 inches thick. **Silty SAND** (SM): medium brown; dense; moist; 10% clay, 30% silt, 50% fine to very coarse grained sand, 10% gravel to 10mm in diameter; moderate estimated permeability.	0.5	
0.0					5	ML		**Clayey SILT** (ML): olive gray; very stiff; moist; 40% clay, 60% silt; medium plasticity; low estimated permeability.	5.0	
0.7						ML		**Gravelly Sandy SILT** (ML): light brown; very stiff; moist; 10% clay, 45% silt, 30% fine to very coarse grained sand, 15% subrounded gravel to 30mm in diameter; low plasticity; moderate estimated permeability. ▽	7.0 9.0	
0.7					10	SM		**Gravelly Silty SAND** (SM): light brown; dense; wet; 40% silt, 40% fine to very coarse grained sand, 20% subrounded gravel to 30mm in diameter; moderate estimated permeability.	11.0	Portland Type I/II Cement
0.0						ML		**Gravelly Sandy SILT** (ML): light brown; very stiff; moist; 10% clay, 50% silt, 20% fine to very coarse grained sand, 20% angular gravel to 20mm in diameter; moderate estimated permeability.		
					15				17.0	
						ML		**Clayey SILT** (ML): orange brown; very stiff; damp; 30% clay, 70% silt; low plasticity; low estimated permeability.	19.0	Bottom of Boring @ 19 ft

WELL LOG (PID/TPHG) H:\NADY\NADY.GPJ DEFAULT.GDT 2/23/04

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DRAFT

BORING/WELL LOG

CLIENT NAME	John Nady	**BORING/WELL NAME**	SB-20A/C
JOB/SITE NAME	65th Street	**DRILLING STARTED**	13-Jan-04
LOCATION	1137-1167 65th Street, Oakland, California	**DRILLING COMPLETED**	13-Jan-04
PROJECT NUMBER	522-1000	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Precision	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hydraulic push, Truck mounted Envirocore	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2.5 inches	**SCREENED INTERVAL**	NA
LOGGED BY	M. Meyers	**DEPTH TO WATER (First Encountered)**	8.0 ft (13-Jan-04) ▽
REVIEWED BY	R. Clark-Riddell, PE# 49629	**DEPTH TO WATER (Static)**	NA ▼

REMARKS Located in Peabody Ln. W of property. Temp casing w 5 ft of screen installed (8 to 13 & 29 to 34 ft bgs) to collect GW samples.

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
								ASPHALT: 4" thick.	0.3	
						ML		**Sandy SILT** (ML): dark brown; stiff; moist; 60% silt, 30% fine to coarse grained sand, 10% gravel to 20mm in diameter; low plasticity; moderate estimated permeability.		
0					5			@ 5': becomes light brown; 60% silt, 40% fine to very coarse grained sand.		
926								▽	8.0	
						SM		**Silty SAND** (SM): green gray; medium dense; wet; 40% silt, 60% medium to very coarse grained sand; moderate estimated permeability; odor.		
0.8					10			@ 11': becomes light brown; dense; moist; 40% silt, 50% medium to very coarse grained sand, 10% angular gravel to 20mm in diameter; moderate estimated permeability.		
0									14.0	
0					15	ML		**Sandy SILT** (ML): light brown; very stiff; damp; 60% silt, 30% medium to coarse grained sand, 10% well rounded gravel to 30mm in diameter; low plasticity; moderate estimated permeability. @ 16': becomes 70% silt, 30% medium to very coarse grained sand. @ 18': becomes 60% silt, 40% medium to very coarse grained sand.		
0					20					◄ Portland Type I/II Cement
0									23.0	
0					25	ML		**Gravelly Sandy SILT** (ML): medium brown; very stiff; damp; 50% silt, 30% fine grained sand, 20% well rounded gravel to 30mm in diameter; low plasticity; moderate estimated permeability.		
									26.0	
0						ML		**Clayey SILT** (ML): light brown; very stiff; moist; 30% clay, 60% silt, 10% fine grained sand; medium plasticity; low estimated permeability.		
					30				30.0	
						ML		**Sandy SILT** (ML): light brown; very stiff; moist; 60% silt, 40% very fine to fine grained sand; low plasticity; moderate estimated permeability.	31.0	
0						ML		**Gravelly Sandy SILT** (ML): medium brown; very stiff; wet; 50% silt, 30% fine to coarse grained sand, 20% well rounded gravel to 20mm; low plasticity; moderate estimated permeability.		
									34.0	
0					35			**Silty SAND** (SM): light brown; medium dense; wet; 40%		

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WELL LOG (PID/TPHG) H:\NADY\NADY.GPJ DEFAULT.GDT 2/23/04

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BORING/WELL LOG

DRAFT

CLIENT NAME	John Nady	**BORING/WELL NAME**	SB-20A/C
JOB/SITE NAME	65th Street	**DRILLING STARTED**	13-Jan-04
LOCATION	1137-1167 65th Street, Oakland, California	**DRILLING COMPLETED**	13-Jan-04

Continued from Previous Page

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
0					40	SM		silt, 60% very fine to fine grained sand; moderate estimated permeability.	40.0	Bottom of Boring @ 40 ft

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BORING/WELL LOG

CLIENT NAME	John Nady	**BORING/WELL NAME**	SB-21A
JOB/SITE NAME	65th Street	**DRILLING STARTED**	20-Jan-04
LOCATION	1137-1167 65th Street, Oakland, California	**DRILLING COMPLETED**	20-Jan-04
PROJECT NUMBER	522-1000	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Precision	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hand Auger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	3 inches	**SCREENED INTERVAL**	NA
LOGGED BY	M. Meyers	**DEPTH TO WATER (First Encountered)**	8.5 ft (20-Jan-04) ▽
REVIEWED BY	R. Clark-Riddell, PE# 49629	**DEPTH TO WATER (Static)**	NA ▼

REMARKS Located inside building on west side of property. Temp casing w 5 ft of screen (4.5 to 9.5 ft bgs) installed to collect GW samples.

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
2.2						ML		**CONCRETE**: 4 inches thick.	0.3	
								Clayey SILT (ML): dark brown; stiff; moist; 30% clay, 60% silt, 10% angular gravel to 20mm in diameter; low plasticity; low estimated permeability.	1.5	
130	<1.0		SB-21 @3					@ 1': becomes mottled dark brown, gray, and light brown.		
					5	ML		**Sandy SILT** (ML): dark brown; stiff; moist; 10% clay, 55% silt, 30% medium grained sand, 5% gravel to 10mm in diameter; low plasticity; moderate estimated permeability.		Portland Type I/II Cement
1092	590		SB-21 @6					@ 4': becomes green gray; with odor.		
									8.0	
	470		SB-21 @9			ML		**Gravelly Sandy SILT** (ML): green gray; stiff; wet; 50% silt, 30% sand, 20% rounded gravel to 20mm in diameter; low plasticity; moderate estimated permeability; strong odor. ▽	9.5	
								@ 9.5': Encountered refusal.		Bottom of Boring @ 9.5 ft

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DRAFT

BORING/WELL LOG

CLIENT NAME	John Nady	**BORING/WELL NAME**	SB-22A/C
JOB/SITE NAME	65th Street	**DRILLING STARTED**	07-Jan-04
LOCATION	1137-1167 65th Street, Oakland, California	**DRILLING COMPLETED**	07-Jan-04
PROJECT NUMBER	522-1000	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Precision	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hydraulic push, track mounted Envirocore	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2 3/8 inches	**SCREENED INTERVAL**	NA
LOGGED BY	M. Meyers	**DEPTH TO WATER (First Encountered)**	5.0 ft (07-Jan-04) ▽
REVIEWED BY	R. Clark-Riddell, PE# 49629	**DEPTH TO WATER (Static)**	NA ▼

REMARKS Located onsite near center of property. Temp casing w 5 ft of screen (5 to 10 & 41 to 46 ft bgs) installed to collect GW samples.

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	DEPTH (ft bgs)	U.S.C.S.	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)
						CONCRETE: 6" thick.	0.5
					ML	**Clayey SILT** (ML): dark brown; medium stiff; moist; 20% clay, 70% silt, 10% fine to medium grained sand; medium plasticity; low estimated permeability.	2.0
	<1.0		SB-22 @3		ML	**Sandy Clayey SILT** (ML): brown; soft; moist; 30% clay, 50% silt, 15% fine to medium grained sand, 5% gravel to 10mm in diameter; low plasticity; low estimated permeability. ▽	5.0
647	410		SB-22 @6	5	SM	**Gravelly Silty SAND** (SM): blue gray; medium dense; wet; 30% silt, 50% fine to coarse grained sand, 20% angular gravel to 10mm in diameter; high estimated permeability.	6.0
					ML	**Sandy SILT** (ML): orange brown and blue gray; stiff; moist; 10% clay, 60% silt, 30% fine grained sand; low plasticity; moderate estimated permeability; mottled.	
115	400		SB-22 @9			@ 7': becomes damp, decreased mottling.	
302				10		@ 9': becomes 10% clay, 50% silt, 30% fine grained sand, 10% angular gravel to 10mm in diameter.	10.0
13					ML	**Gravelly Sandy SILT** (ML): orange brown; stiff; damp; 10% clay, 50% silt, 20% fine grained sand, 20% angular gravel to 8mm in diameter; low plasticity; moderate estimated permeability.	
				15		@ 12': becomes dry.	
203						@ 18': becomes mottled orange brown and blue gray.	19.0
10				20	ML	**Clayey SILT** (ML): brown; very stiff; damp; 30% clay, 70% silt; medium plasticity; low estimated permeability; some FeO2 nodules.	
31							
				25			25.0
28					ML	**Sandy SILT** (ML): brown; soft; moist; 65% silt, 30% very fine to fine grained sand, 5% well rounded gravel; low plasticity; moderate estimated permeability.	
7						@ 27': becomes hard; dry; 50% silt, 40% fine to very coarse grained sand, 10% well rounded gravel.	
				30		@ 29': becomes medium stiff.	
7						@ 31': becomes hard.	32.0
3				35		**Clayey SILT** (ML): light brown; very stiff; damp; 30% clay, 70% silt; medium plasticity; low estimated permeability.	

WELL DIAGRAM: Portland Type I/II Cement

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BORING/WELL LOG

CLIENT NAME	John Nady	**BORING/WELL NAME**	SB-22A/C
JOB/SITE NAME	65th Street	**DRILLING STARTED**	07-Jan-04
LOCATION	1137-1167 65th Street, Oakland, California	**DRILLING COMPLETED**	07-Jan-04

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PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
0						ML		@ 35': becomes medium plasticity. @ 38': some FeO2 nodules. @ 41': becomes mottled light brown and brown.		
0					40					
0					45	ML		**Gravelly SILT** (ML): light brown and brown; very stiff; dry; 10% clay, 60% silt, 10% fine to coarse sand, 20% well rounded gravel to 20mm in diameter; low plasticity; low estimated permeability.	43.0	
								@ 46' : Encountered drilling refusal.	46.0	Bottom of Boring @ 46 ft

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BORING/WELL LOG

CLIENT NAME	John Nady	**BORING/WELL NAME**	SB-23
JOB/SITE NAME	65th Street	**DRILLING STARTED**	06-Jan-04
LOCATION	1137-1167 65th Street, Oakland, California	**DRILLING COMPLETED**	06-Jan-04
PROJECT NUMBER	522-1000	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Precision	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hydraulic push, limited access Envirocore	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2 3/8 inches	**SCREENED INTERVAL**	NA
LOGGED BY	M. Meyers	**DEPTH TO WATER (First Encountered)**	6.5 ft (06-Jan-04) ▽
REVIEWED BY	R. Clark-Riddell, PE# 49629	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Located onsite near center of property.		

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
0						ML		**CONCRETE**: 3 inches thick.	0.3	
								Sandy SILT (ML): light brown; medium stiff; moist; 10% clay, 50% silt, 30% sand, 10% gravel to 40mm in diameter; low plasticity; moderate estimated permeability; some brick.		
	<1.0		SB-23 @3					@ 1.5': becomes dark brown.	3.0	
								Clayey SILT (ML): dark brown; medium stiff; moist; 30% clay, 60% silt, 10% fine grained sand; low plasticity; low estimated permeability.		
0					5	ML				
	<1.0		SB-23 @6					@ 5': becomes orange brown. ▽		Portland Type I/II Cement
0								@ 6.5': becomes wet and mottled.		
								@ 7': becomes moist; 30% clay, 55% silt, 10% fine grained sand, 5% gravel to 10mm in diameter.	8.0	
	<1.0		SB-23 @9					**Sandy SILT** (ML): orange brown and light brown; medium stiff; moist; 50% silt, 40% fine grained sand, 10% angular to subrounded gravel; moderate estimated permeability.		
0					10	ML				
									12.0	Bottom of Boring @ 12 ft

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BORING/WELL LOG

CLIENT NAME	John Nady	**BORING/WELL NAME**	SB-24
JOB/SITE NAME	65th Street	**DRILLING STARTED**	05-Jan-04
LOCATION	1137-1167 65th Street, Oakland, California	**DRILLING COMPLETED**	05-Jan-04
PROJECT NUMBER	522-1000	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Precision	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hydraulic push, limited access Envirocore	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2 3/8 inches	**SCREENED INTERVAL**	NA
LOGGED BY	M. Meyers	**DEPTH TO WATER (First Encountered)**	5.0 ft (05-Jan-04) ▽
REVIEWED BY	R. Clark-Riddell, PE# 49629	**DEPTH TO WATER (Static)**	NA ▼

REMARKS Located inside studio building near center of property. Temp casing w 5 ft of screen (7 to 12 ft bgs) installed to collect GW sampl

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
								CONCRETE: 3 inches thick.	0.3	
	980		SB-24 @3					**Sandy SILT** (ML): dark brown; medium stiff; moist; 10% clay, 60% silt, 30% very fine to fine grained sand; low plasticity; moderate estimated permeability.		
470	430		SB-24 @6		5	ML		@ 5': becomes blue gray; stiff; wet. ▽		Portland Type I/II Cement
345								@ 7': *becomes light brown; mottled.*		
83	43		SB-24 @9		10			@ 10': becomes 10% clay; 50% silt; 40% very fine to medium grained sand.	11.0	
						SM		**Silty SAND** (SM): gray; dense; moist; 30% silt, 60% very fine to medium grained sand, 10% gravel to 20mm in diameter; moderate estimated permeability.	12.0	Bottom of Boring @ 12 ft

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BORING/WELL LOG

CLIENT NAME	John Nady	**BORING/WELL NAME**	SB-25A
JOB/SITE NAME	65th Street	**DRILLING STARTED**	08-Jan-04
LOCATION	1137-1167 65th Street, Oakland, California	**DRILLING COMPLETED**	08-Jan-04
PROJECT NUMBER	522-1000	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Precision	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hydraulic push, track mounted Envirocore	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2 3/8 inches	**SCREENED INTERVAL**	NA
LOGGED BY	M. Meyers	**DEPTH TO WATER (First Encountered)**	5.0 ft (08-Jan-04) ▽
REVIEWED BY	R. Clark-Riddell, PE# 49629	**DEPTH TO WATER (Static)**	NA ▼

REMARKS Located on sidewalk south of 65th St. Temp casing w 5 ft of screen (5 to 10 ft bgs) installed to collect GW samples.

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
								ASPHALT: 4 inches thick.	0.3	
						ML		**Clayey SILT** (ML): brown; medium stiff; moist; 30% clay, 60% silt, 10% very fine grained sand; low plasticity; low estimated permeability.		
2.2					5			@ 5': becomes wet. ▽	6.0	
1.5						SM		**Silty SAND** (SM): brown; medium dense; wet; 40% silt, 60% fine grained sand; moderate estimated permeability. @ 7': becomes orange brown; dense; damp; 40% silt, 60% fine to very coarse grained sand.		
					10				10.0	Bottom of Boring @ 10 ft

WELL LOG (PID/TPHG) H:\NADY\NADY.GPJ DEFAULT.GDT 2/23/04

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BORING/WELL LOG

CLIENT NAME	John Nady	**BORING/WELL NAME**	SB-25C
JOB/SITE NAME	65th Street	**DRILLING STARTED**	08-Jan-04
LOCATION	1137-1167 65th Street, Oakland, California	**DRILLING COMPLETED**	08-Jan-04
PROJECT NUMBER	522-1000	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Precision	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hydraulic push, Envirocore	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2.5 inches	**SCREENED INTERVAL**	NA
LOGGED BY	M. Meyers	**DEPTH TO WATER (First Encountered)**	29.0 ft (08-Jan-04) ▽
REVIEWED BY	R. Clark-Riddell, PE# 49629	**DEPTH TO WATER (Static)**	NA ▼

REMARKS Located on sidewalk south of 65th St. Temp casing w 5 ft of screen (29 to 34 ft bgs) installed to collect GW samples.

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
								ASPHALT: 4 inches thick.	0.3	
						ML		**Clayey SILT** (ML): brown; medium stiff; moist; 30% clay, 60% silt, 10% very fine grained sand; low plasticity; low estimated permeability.		
					5			@ 5': becomes wet.	6.0	
						SM		**Silty SAND** (SM): brown; medium dense; wet; 40% silt, 60% fine grained sand; moderate estimated permeability. @ 7': becomes orange brown; dense; damp; 40% silt, and 60% fine to very coarse grained sand.	10.0	
0					10			**Gravelly Sandy SILT** (ML): orange brown; stiff; damp; 50% silt, 30% fine grained sand, 20% subround gravel to 20mm in diameter; moderate estimated permeability; mottled; some shell fragments.		
0						ML		@ 12': becomes light gray; very stiff; 60% silt, 40% fine grained sand; some FeO2 staining.		
0					15			@ 14': becomes 60% silt, 30% fine grained sand, 10% well rounded gravel to 20mm in diameter.		
0								@ 17': becomes 50% silt, 35% fine grained sand, 15% well rounded gravel to 30mm in diameter.	18.0	◄ Portland Type I/II Cement
0					20			**Clayey SILT** (ML): orange brown; very stiff; damp; 35% clay, 60% silt, 5% very fine grained sand; medium plasticity; low estimated permeability; some shell fragments.		
0						ML				
0					25			@ 25': becomes 20% clay, 60% silt, 10% fine grained sand, 10% well rounded gravel to 10mm in diameter; low estimated permeability.	26.0	
0						ML		**Sandy SILT** (ML): orange brown; stiff; moist; 10% clay, 50% silt, 40% fine grained sand; low plasticity; moderate estimated permeability. ▽	29.0	
					30	ML		**Gravelly Sandy SILT** (ML): brown; stiff; wet; 50% silt, 35% fine to very coarse grained sand, 15% gravel to 20mm in diameter; moderate estimated permeability; mottled with clay chucks.	30.5	
0						ML		**Clayey SILT** (ML): light brown; stiff; moist; 30% clay, 70% silt; medium plasticity; low estimated permeability. @ 32': becomes very stiff; damp; no shell fragments.	34.0	Bottom of Boring @ 34 ft

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BORING/WELL LOG

DRAFT

CLIENT NAME	John Nady	**BORING/WELL NAME**	SB-26A
JOB/SITE NAME	65th Street	**DRILLING STARTED**	07-Jan-04
LOCATION	1137-1167 65th Street, Oakland, California	**DRILLING COMPLETED**	07-Jan-04
PROJECT NUMBER	522-1000	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Precision	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hydraulic push, track mounted Envirocore	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2 3/8 inches	**SCREENED INTERVAL**	NA
LOGGED BY	M. Meyers	**DEPTH TO WATER (First Encountered)**	4.0 ft (07-Jan-04) ▽
REVIEWED BY	R. Clark-Riddell, PE# 49629	**DEPTH TO WATER (Static)**	NA ▼

REMARKS Located in rear of property. Temp casing w 5 ft of screen (8 to 13 ft bgs) installed to collect GW samples.

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
7.0						ML		**ASPHALT**: 4 inches thick.	0.3	
								Sandy Clayey SILT (ML): dark brown; soft; moist; 25% clay, 60% silt, 15% fine to very coarse grained sand; medium plasticity; low estimated permeability; mottled; some organics. ▽		
								@4': becomes medium stiff and wet.	5.0	
5.0					5	ML		**Sandy SILT** (ML): blue gray; stiff; moist; 10% clay, 60% silt, 30% fine to medium grained sand; low plasticity; moderate estimated permeability.	6.0	
	240		SB-26 @7.5			ML		**Gravelly SILT** (ML): blue gray; stiff; moist; 50% silt, 10% fine to coarse grained sand, 20% very angular to subround gravel to 30mm in diameter; moderate estimated permeability.	8.0	Portland Type I/II Cement
300						ML		**Gravelly Sandy SILT** (ML): blue gray; stiff; moist; 10% clay, 50% silt, 25% fine to medium grained sand, 15% gravel to 15mm in diameter; low plasticity; moderate estimated permeability.	10.0	
	180		SB-26 @11.5		10	ML		**Sandy SILT** (ML): orange brown; stiff; moist; 15% clay, 60% silt, 25% fine grained sand; medium plasticity; low estimated permeability.	12.0	
0						ML		**Gravelly Sandy SILT** (ML): olive brown; stiff; moist; 50% silt, 30% sand, 20% gravel to 30mm in diameter; moderate estimated permeability.	13.0	Bottom of Boring @ 13 ft

WELL LOG (PID/TPHG) H:\NADY\NADY.GPJ DEFAULT.GDT 2/23/04

Appendix B

Laboratory Analytical Reports

McCampbell Analytical Inc.
110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
http://www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology 5900 Hollis St, Suite A Emeryville, CA 94608	Client Project ID: #522-1000-020; John Nady	Date Sampled: 01/20/04
		Date Received: 01/21/04
	Client Contact: Matt Meyers	Date Reported: 01/27/04
	Client P.O.:	Date Completed: 01/27/04

WorkOrder: 0401231

January 27, 2004

Dear Matt:

Enclosed are:

1). the results of **1** analyzed sample from your **#522-1000-020; John Nady project,**

2). a QC report for the above sample

3). a copy of the chain of custody, and

4). a bill 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 please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Yours truly,

Angela Rydelius, Lab Manager

McCampbell Analytical Inc.
110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
http://www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology	Client Project ID: #522-1000-020; John Nady	Date Sampled: 01/20/04
5900 Hollis St, Suite A		Date Received: 01/21/04
Emeryville, CA 94608	Client Contact: Matt Meyers	Date Extracted: 01/22/04
	Client P.O.:	Date Analyzed: 01/22/04

Halogenated Volatile Organics by P&T and GC-ELCD (8010 Basic Target List)*

Extraction Method: SW5030B | Analytical Method: SW8021B | Work Order: 0401231

		Reporting Limit for DF =1	
Lab ID	0401231-001C		
Client ID	SB-21A		
Matrix	W		
DF	100	S	W
Compound	**Concentration**	µg/kg	µg/L
Bromodichloromethane	ND<50	NA	0.5
Bromoform	ND<50	NA	0.5
Bromomethane	ND<50	NA	0.5
Carbon Tetrachloride	ND<50	NA	0.5
Chlorobenzene	ND<50	NA	0.5
Chloroethane	ND<50	NA	0.5
2-Chloroethyl vinyl ether	ND<50	NA	0.5
Chloroform	ND<50	NA	0.5
Chloromethane	ND<50	NA	0.5
Dibromochloromethane	ND<50	NA	0.5
1,2-Dichlorobenzene	ND<50	NA	0.5
1,3-Dichlorobenzene	ND<50	NA	0.5
1,4-Dichlorobenzene	ND<50	NA	0.5
Dichlorodifluoromethane	ND<50	NA	0.5
1,1-Dichloroethane	ND<50	NA	0.5
1,2-Dichloroethane	ND<50	NA	0.5
1,1-Dichloroethene	ND<50	NA	0.5
cis-1,2-Dichloroethene	ND<50	NA	0.5
trans-1,2-Dichloroethene	ND<50	NA	0.5
1,2-Dichloropropane	ND<50	NA	0.5
cis-1,3-Dichloropropene	ND<50	NA	0.5
trans-1,3-Dichloropropene	ND<50	NA	0.5
Methylene chloride	ND<50	NA	0.5
1,1,2,2-Tetrachloroethane	ND<50	NA	0.5
Tetrachloroethene	ND<50	NA	0.5
1,1,1-Trichloroethane	ND<50	NA	0.5
1,1,2-Trichloroethane	ND<50	NA	0.5
Trichloroethene	ND<50	NA	0.5
Trichlorofluoromethane	ND<50	NA	0.5
Vinyl Chloride	ND<50	NA	0.5
Surrogate Recoveries (%)			
%SS:	83.6		
Comments	j,h		

* 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.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content; k) reporting limit rasied due to insufficient sample amount.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

McCampbell Analytical Inc.
110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
http://www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology	Client Project ID: #522-1000-020; John Nady	Date Sampled: 01/20/04
5900 Hollis St, Suite A		Date Received: 01/21/04
Emeryville, CA 94608	Client Contact: Matt Meyers	Date Extracted: 01/22/04
	Client P.O.:	Date Analyzed: 01/22/04

Gasoline Range (C6-C12) Stoddard Solvent Range (C9-C12) Volatile Hydrocarbons with BTEX & MTBE*

Extraction Method: SW5030B Analytical Method: SW8021B/8015Cm Work Order: 0401231

					Reporting Limit for DF =1	
Lab ID	0401231-001A					
Client ID	SB-21A					
Matrix	W					
DF	10				S	W
Compound	**Concentration**				ug/kg	µg/L
TPH(g)	6100				NA	50
TPH(ss)	5600				NA	50
MTBE	ND<50				NA	5.0
Benzene	ND<5.0				NA	0.5
Toluene	ND<5.0				NA	0.5
Ethylbenzene	ND<5.0				NA	0.5
Xylenes	ND<5.0				NA	0.5
Surrogate Recoveries (%)						
%SS:	110					
Comments	e,h					

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

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

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110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
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http://www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology	Client Project ID: #522-1000-020; John Nady	Date Sampled: 01/20/04
5900 Hollis St, Suite A		Date Received: 01/21/04
Emeryville, CA 94608	Client Contact: Matt Meyers	Date Extracted: 01/21/04
	Client P.O.:	Date Analyzed: 01/23/04

Diesel (C10-23) and Oil (C18+) Range Extractable Hydrocarbons as Diesel and Motor Oil*

Extraction method: SW3510C Analytical methods: SW8015C Work Order: 0401231

Lab ID	Client ID	Matrix	TPH(d)	TPH(mo)	DF	% SS
0401231-001B	SB-21A	W	110,000,n,h	ND<25,000	100	---#

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.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant); d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel; f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW8021B/8015Cm

Matrix: W WorkOrder: 0401231

EPA Method: SW8021B/8015Cm Extraction: SW5030B BatchID: 10039 Spiked Sample ID: 0401228-011A

	Sample	Spiked	MS*	MSD*	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
TPH(btex)£	ND	60	95.3	94.8	0.553	90.9	82.3	9.93	70	130
MTBE	ND	10	95.4	93.4	2.15	91	95.4	4.78	70	130
Benzene	ND	10	102	103	1.85	105	99.3	5.92	70	130
Toluene	ND	10	105	106	1.20	108	102	5.01	70	130
Ethylbenzene	ND	10	105	107	1.69	108	99.8	7.63	70	130
Xylenes	ND	30	107	110	3.08	110	92.7	17.1	70	130
%SS:	119	10	112	113	0.744	116	116	0	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

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.

£ 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 = *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 Certification No. 1644

QA/QC Officer

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7. Pacheco. CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW8015C

Matrix: W WorkOrder: 0401231

EPA Method: SW8015C Extraction: SW3510C BatchID: 10042 Spiked Sample ID: N/A

	Sample	Spiked	MS*	MSD*	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
TPH(d)	N/A	7500	N/A	N/A	N/A	99.4	96.1	3.34	70	130
%SS:	N/A	2500	N/A	N/A	N/A	98.9	96.6	2.36	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

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.

DHS Certification No. 1644

QA/QC Officer

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW8021B

Matrix: W WorkOrder: 0401231

EPA Method: SW8021B	Extraction: SW5030B			BatchID: 9978		Spiked Sample ID: 0401219-001E				
	Sample	Spiked	MS*	MSD*	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
Chlorobenzene	ND	10	90.9	89.4	1.67	95	91.7	3.56	70	130
1,1-Dichloroethene	ND	10	85.5	84.1	1.63	95.6	92.1	3.74	70	130
Trichloroethene	ND	10	103	98.1	5.11	100	91.2	9.60	70	130
%SS:	86.7	10	88.2	88.4	0.187	93.5	93.5	0	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

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 Certification No. 1644

QA/QC Officer

McCampbell Analytical Inc.
110 Second Avenue South, #D7
Pacheco, CA 94553-5560
(925) 798-1620

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0401231

Report to:
Matt Meyers
Cambria Env. Technology
5900 Hollis St, Suite A
Emeryville, CA 94608

TEL: (510) 420-0700
FAX: (510) 420-3394
ProjectNo: #522-1000-020; John Nady
PO:

Bill to:
Accounts Payable
Cambria Env. Technology
5900 Hollis St, Ste. A
Emeryville, CA 94608

Requested TAT: 5 days
Date Received: 1/21/04
Date Printed: 1/21/04

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)														
					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
0401231-001	SB-21A	Water	1/20/04 11:20:00	☐	C	A	B												

Test Legend:

1	8010B_W	2	G-MBTEX_W	3	TPH(DMO)_W	4		5	
6		7		8		9		10	
11		12		13		14		15	

Prepared by: Maria Venegas

Comments:

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

0401231

CHAIN OF CUSTODY RECORD

McCAMPBELL ANALYTICAL INC.
110 2nd AVENUE SOUTH, #D7
PACHECO, CA 94553-5560
Telephone: (925) 798-1620 Fax: (925) 798-1622

TURN AROUND TIME: ☐ RUSH ☐ 24 HOUR ☒ 48 HOUR ☒ 5 DAY

EDF Required? ☐ Yes ☒ No

Report To: Matt Meyers	Bill To: Cambria
Company: Cambria Environmental Technology, Inc.	
5900 Hollis Street, Suite A	
Emeryville, Ca 94608	E-mail: mmeyers@cambria-env.com
Tele: (510) 420-3314	Fax: (510) 420-9170
Project #:522-1000-020	Project Name: John Nady
Project Location: 1137-1167 65th Street, Oakland	
Sampler Signature:	

SAMPLE ID (Field Point Name)	LOCATION	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	MATRIX Soil	MATRIX Air	MATRIX Sludge	MATRIX Other	METHOD PRESERVED Ice	METHOD PRESERVED HCl	METHOD PRESERVED HNO_3	METHOD PRESERVED Other	Analysis Request: BTEX and MTBE by EPA 8015	Analysis Request: TPHg/ss/d/mo by EPA 8015	Analysis Request: VOCs by EPA 8010	Other	Comments
SB-21A		1/20/04	11:20	7	VOAS Ambers	X	X				X	X			X	X	X		

ICE/T ✓
GOOD CONDITION ✓
HEAD SPACE ABSENT
DECHLORINATED IN LAB
PRESERVATION

APPROPRIATE CONTAINERS ✓
PRESERVED IN LAB
VOAS | O&G | METALS | OTHER

Relinquished By:	Date:	Time:	Received By:
	1/20/04	12:20	"SECURED LOCATION"
Relinquished By:	Date: 1/21/04	Time: 1155	Received By: X233
Relinquished By: X233	Date: 1/21/04	Time: 14:30	Received By:

Remarks:
Lowest possible detection limits.
Please email results.

5 day turn around

McCampbell Analytical Inc.
110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
http://www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology 5900 Hollis St, Suite A Emeryville, CA 94608	Client Project ID: #522-1000-020; John Nady	Date Sampled: 01/20/04
		Date Received: 01/21/04
	Client Contact: Matt Meyers	Date Reported: 01/27/04
	Client P.O.:	Date Completed: 01/27/04

WorkOrder: 0401230

January 27, 2004

Dear Matt:

Enclosed are:

1). the results of 3 analyzed samples from your **#522-1000-020; John Nady project,**

2). a QC report for the above samples

3). a copy of the chain of custody, and

4). a bill 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 please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Yours truly,

Angela Rydelius, Lab Manager

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http://www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology	Client Project ID: #522-1000-020; John Nady	Date Sampled: 01/20/04
5900 Hollis St, Suite A		Date Received: 01/21/04
Emeryville, CA 94608	Client Contact: Matt Meyers	Date Extracted: 01/21/04
	Client P.O.:	Date Analyzed: 01/22/04

Gasoline Range (C6-C12) Stoddard Solvent Range (C9-C12) Volatile Hydrocarbons with BTEX & MTBE*

Extraction Method: SW5030B *Analytical Method: SW8021B/8015Cm* Work Order: 0401230

Lab ID	0401230-001A	0401230-002A	0401230-003A		Reporting Limit for DF =1	
Client ID	SB-21@3'	SB-21@6'	SB-21@9'			
Matrix	S	S	S			
DF	1	20	40		S	W
Compound	**Concentration**				mg/Kg	ug/L
TPH(g)	ND	590	470		1.0	NA
TPH(ss)	ND	590	450		1.0	NA
MTBE	ND	ND<1.0	ND<2.0		0.05	NA
Benzene	ND	ND<0.10	ND<0.20		0.005	NA
Toluene	ND	ND<0.10	ND<0.20		0.005	NA
Ethylbenzene	ND	ND<0.10	0.23		0.005	NA
Xylenes	ND	ND<0.10	ND<0.20		0.005	NA
Surrogate Recoveries (%)						
%SS:	90.5	85.3	84.6			
Comments		g	g			

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

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

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Cambria Env. Technology	Client Project ID: #522-1000-020; John Nady	Date Sampled: 01/20/04
5900 Hollis St, Suite A		Date Received: 01/21/04
Emeryville, CA 94608	Client Contact: Matt Meyers	Date Extracted: 01/21/04
	Client P.O.:	Date Analyzed: 01/21/04-01/23/04

Diesel (C10-23) and Oil (C18+) Range Extractable Hydrocarbons as Diesel and Motor Oil*

Extraction method: SW3550C Analytical methods: SW8015C Work Order: 0401230

Lab ID	Client ID	Matrix	TPH(d)	TPH(mo)	DF	% SS
0401230-001A	SB-21@3'	S	ND	ND	1	90.2
0401230-002A	SB-21@6'	S	220,n	ND<25	5	117
0401230-003A	SB-21@9'	S	270,n	ND<25	5	99.8

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	ug/L
	S	1.0	5.0	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.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant); d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel; f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

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Telephone : 925-798-1620 Fax : 925-798-1622
http://www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology	Client Project ID: #522-1000-020; John Nady	Date Sampled: 01/20/04
5900 Hollis St, Suite A		Date Received: 01/21/04
Emeryville, CA 94608	Client Contact: Matt Meyers	Date Extracted: 01/21/04
	Client P.O.:	Date Analyzed: 01/22/04

Halogenated Volatile Organics by P&T and GC-ELCD (8010 Basic Target List)*

Extraction Method: SW5030 Analytical Method: SW8021B Work Order: 0401230

Lab ID	0401230-001A	0401230-002A	0401230-003A	Reporting Limit for DF =1	
Client ID	SB-21@3'	SB-21@6'	SB-21@9'		
Matrix	S	S	S		
DF	1	20	40	S	W
Compound	**Concentration**			µg/Kg	µg/L
Bromodichloromethane	ND	ND<100	ND<200	5.0	NA
Bromoform	ND	ND<100	ND<200	5.0	NA
Bromomethane	ND	ND<100	ND<200	5.0	NA
Carbon Tetrachloride	ND	ND<100	ND<200	5.0	NA
Chlorobenzene	ND	ND<100	ND<200	5.0	NA
Chloroethane	ND	ND<100	ND<200	5.0	NA
2-Chloroethyl vinyl ether	ND	ND<100	ND<200	5.0	NA
Chloroform	ND	ND<100	ND<200	5.0	NA
Chloromethane	ND	ND<100	ND<200	5.0	NA
Dibromochloromethane	ND	ND<100	ND<200	5.0	NA
1,2-Dichlorobenzene	ND	ND<100	ND<200	5.0	NA
1,3-Dichlorobenzene	ND	ND<100	ND<200	5.0	NA
1,4-Dichlorobenzene	ND	ND<100	ND<200	5.0	NA
Dichlorodifluoromethane	ND	ND<100	ND<200	5.0	NA
1,1-Dichloroethane	ND	ND<100	ND<200	5.0	NA
1,2-Dichloroethane	ND	ND<100	ND<200	5.0	NA
1,1-Dichloroethene	ND	ND<100	ND<200	5.0	NA
cis-1,2-Dichloroethene	ND	ND<100	ND<200	5.0	NA
trans-1,2-Dichloroethene	ND	ND<100	ND<200	5.0	NA
1,2-Dichloropropane	ND	ND<100	ND<200	5.0	NA
cis-1,3-Dichloropropene	ND	ND<100	ND<200	5.0	NA
trans-1,3-Dichloropropene	ND	ND<100	ND<200	5.0	NA
Methylene chloride	ND	ND<100	ND<200	5.0	NA
1,1,2,2-Tetrachloroethane	ND	ND<100	ND<200	5.0	NA
Tetrachloroethene	ND	ND<100	ND<200	5.0	NA
1,1,1-Trichloroethane	ND	ND<100	ND<200	5.0	NA
1,1,2-Trichloroethane	ND	ND<100	ND<200	5.0	NA
Trichloroethene	ND	ND<100	ND<200	5.0	NA
Trichlorofluoromethane	ND	ND<100	ND<200	5.0	NA
Vinyl Chloride	ND	ND<100	ND<200	5.0	NA
Surrogate Recoveries (%)					
%SS:	98.9	94.1	79.5		
Comments		j	j		

* 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.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content; k) reporting limit rasied due to insufficient sample amount.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

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QC SUMMARY REPORT FOR SW8021B/8015Cm

Matrix: S WorkOrder: 0401230

EPA Method: SW8021B/8015Cm Extraction: SW5030B BatchID: 10038 Spiked Sample ID: 0401212-011A

	Sample	Spiked	MS*	MSD*	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
TPH(btex)£	ND	0.60	101	102	1.20	105	96.7	7.81	70	130
MTBE	ND	0.10	89	92.4	3.70	83	86.2	3.78	70	130
Benzene	ND	0.10	102	101	0.642	103	103	0	70	130
Toluene	ND	0.10	88.9	88.2	0.735	92.4	90.2	2.46	70	130
Ethylbenzene	ND	0.10	106	105	0.573	110	105	4.84	70	130
Xylenes	ND	0.30	96.3	96.3	0	100	100	0	70	130
%SS:	104	0.10	111	107	3.67	117	116	0.858	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

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.

£ 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 = 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 Certification No. 1644

QA/QC Officer

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QC SUMMARY REPORT FOR SW8015C

Matrix: S WorkOrder: 0401230

EPA Method: SW8015C	Extraction: SW3550C			BatchID: 10040		Spiked Sample ID: 0401225-002A				
	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
TPH(d)	1.39	150	97.9	97.2	0.703	95.3	94.5	0.756	70	130
%SS:	105	50	95.8	94.9	1.01	97.9	94.7	3.37	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

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.

DHS Certification No. 1644

QA/QC Officer

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QC SUMMARY REPORT FOR SW8021B

Matrix: S WorkOrder: 0401230

EPA Method: SW8021B	Extraction: SW5030		BatchID: 10043			Spiked Sample ID: 0401230-001A				
	Sample	Spiked	MS*	MSD*	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/Kg	µg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
Chlorobenzene	ND	50	72.4	76.6	5.65	80.9	78.9	2.56	70	130
1,1-Dichloroethene	ND	50	87.5	92.3	5.29	113	110	2.52	70	130
Trichloroethene	ND	50	78.7	83.6	6.13	93.1	90	3.42	70	130
%SS:	98.9	50	96.6	96.5	0.153	98.4	96.2	2.28	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

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 Certification No. 1644

QA/QC Officer

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(925) 798-1620

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0401230

Report to:
Matt Meyers
Cambria Env. Technology
5900 Hollis St, Suite A
Emeryville, CA 94608

TEL: (510) 420-0700
FAX: (510) 420-3394
ProjectNo: #522-1000-020; John Nady
PO:

Bill to:
Accounts Payable
Cambria Env. Technology
5900 Hollis St, Ste. A
Emeryville, CA 94608

Requested TAT: 5 days

Date Received: 1/21/04
Date Printed: 1/21/04

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
0401230-001	SB-21@3'	Soil	1/20/04 10:00:00	☐	A	A	A												
0401230-002	SB-21@6'	Soil	1/20/04 10:10:00	☐	A	A	A												
0401230-003	SB-21@9'	Soil	1/20/04 10:25:00	☐	A	A	A												

Test Legend:

1	8010B_S	2	G-MBTEX_S	3	TPH(DMO)_S	4		5	
6		7		8		9		10	
11		12		13		14		15	

Prepared by: Maria Venegas

Comments:

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

0401230

CHAIN OF CUSTODY RECORD

McCAMPBELL ANALYTICAL INC.
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PACHECO, CA 94553-5560
Telephone: (925) 798-1620 Fax: (925) 798-1622

TURN AROUND TIME: ☐ RUSH ☐ 24 HOUR ~~☒~~ 48 HOUR ☒ 5 DAY

EDF Required? ☐ Yes ☒ No

Report To: Matt Meyers Bill To: Cambria

Company: Cambria Environmental Technology, Inc.

5900 Hollis Street, Suite A

Emeryville, Ca 94608 E-mail: mmeyers@cambria-env.com

Tele: (510) 420-3314 Fax: (510) 420-9170

Project #:522-1000-020 Project Name: John Nady

Project Location: 1137-1167 65th Street, Oakland

Sampler Signature:

SAMPLE ID (Field Point Name)	LOCATION	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	MATRIX Soil	MATRIX Air	MATRIX Sludge	MATRIX Other	METHOD PRESERVED Ice	METHOD PRESERVED HCl	METHOD PRESERVED HNO_3	METHOD PRESERVED Other	Analysis Request: BTEX and MTBE by EPA 8015	Analysis Request: TPH(g/ss/d/mo by EPA 8015	Analysis Request: VOCs by EPA 8010	Other	Comments
SB-21@3'		1/20/04	10:00	1	TUBE		X				X				X	X	X		
SB-21@6		↓	10:10	↓	↓		↓				↓				↓	↓	↓		
SB-21@9		↓	10:25	↓	↓		↓				↓				↓	↓	↓		

ICE/T ✓
GOOD CONDITION
HEAD SPACE ABSENT
DECHLORINATED IN LAB
APPROPRIATE CONTAINERS ✓
PRESERVED IN LAB
PRESERVATION VOAS | O&G | METALS | OTHER

Relinquished By:	Date:	Time:	Received By:
	1/20/04	12:20	SECURED LOCATION
Relinquished By:	Date:	Time:	Received By:
	1/21/04	1155	X233
Relinquished By: X233	Date: 1/21/04	Time: 14:30	Received By:

Remarks:
Lowest possible detection limits.
Please email results.

5 day turn around

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Cambria Env. Technology 5900 Hollis St, Suite A Emeryville, CA 94608	Client Project ID: #522-1000-020; John Nady	Date Sampled: 01/13/04
		Date Received: 01/14/04
	Client Contact: Matt Meyers	Date Reported: 01/20/04
	Client P.O.:	Date Completed: 01/20/04

WorkOrder: 0401149

January 20, 2004

Dear Matt:

Enclosed are:

1). the results of 3 analyzed samples from your **#522-1000-020; John Nady project,**

2). a QC report for the above samples

3). a copy of the chain of custody, and

4). a bill 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 please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Yours truly,

Angela Rydelius, Lab Manager

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Cambria Env. Technology	Client Project ID: #522-1000-020; John Nady	Date Sampled: 01/13/04
5900 Hollis St, Suite A		Date Received: 01/14/04
Emeryville, CA 94608	Client Contact: Matt Meyers	Date Extracted: 01/15/04
	Client P.O.:	Date Analyzed: 01/15/04

Gasoline Range (C6-C12) Stoddard Solvent Range (C9-C12) Volatile Hydrocarbons with BTEX & MTBE*

Extraction Method: SW5030B | Analytical Method: SW8021B/8015Cm | Work Order: 0401149

Lab ID	0401149-001A	0401149-002A	0401149-003A		Reporting Limit for DF =1	
Client ID	SB-12A	SB-20C	SB-20A			
Matrix	W	W	W			
DF	1	1	1		S	W
Compound	**Concentration**				ug/kg	µg/L
TPH(g)	230	ND	680		NA	50
TPH(ss)	ND	ND	610		NA	50
MTBE	ND<40	ND	ND		NA	5.0
Benzene	ND	ND	ND		NA	0.5
Toluene	2.0	ND	ND		NA	0.5
Ethylbenzene	ND	ND	ND		NA	0.5
Xylenes	ND	ND	3.3		NA	0.5
Surrogate Recoveries (%)						
%SS:	113	113	109			
Comments	a,i	i	g,h			

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

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern.

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Cambria Env. Technology	Client Project ID: #522-1000-020; John Nady	Date Sampled: 01/13/04
5900 Hollis St, Suite A		Date Received: 01/14/04
Emeryville, CA 94608	Client Contact: Matt Meyers	Date Extracted: 01/14/04
	Client P.O.:	Date Analyzed: 01/14/04-01/15/04

Diesel (C10-23) and Oil (C18+) Range Extractable Hydrocarbons as Diesel and Motor Oil*

Extraction method: SW3510C Analytical methods: SW8015C Work Order: 0401149

Lab ID	Client ID	Matrix	TPH(d)	TPH(mo)	DF	% SS
0401149-001C	SB-12A	W	130,g,d,b,i	300	1	104
0401149-002C	SB-20C	W	ND,i	ND	1	106
0401149-003C	SB-20A	W	1400,d,h	ND	1	107

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.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b).diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant); d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel; f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

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Cambria Env. Technology	Client Project ID: #522-1000-020; John Nady	Date Sampled: 01/13/04
5900 Hollis St, Suite A		Date Received: 01/14/04
Emeryville, CA 94608	Client Contact: Matt Meyers	Date Extracted: 01/15/04-01/16/04
	Client P.O.:	Date Analyzed: 01/15/04-01/16/04

Halogenated Volatile Organics by P&T and GC-ELCD (8010 Basic Target List)*

Extraction Method: SW5030B | Analytical Method: SW8021B | Work Order: 0401149

Lab ID	0401149-001B	0401149-002B	0401149-003B		Reporting Limit for DF =1	
Client ID	SB-12A	SB-20C	SB-20A			
Matrix	W	W	W			
DF	1	1	1		S	W
Compound	**Concentration**				µg/kg	µg/L
Bromodichloromethane	ND	ND	ND		NA	0.5
Bromoform	ND	ND	ND		NA	0.5
Bromomethane	ND	ND	ND		NA	0.5
Carbon Tetrachloride	ND	ND	ND		NA	0.5
Chlorobenzene	ND	ND	ND		NA	0.5
Chloroethane	ND	ND	ND		NA	0.5
2-Chloroethyl vinyl ether	ND	ND	ND		NA	0.5
Chloroform	ND	ND	ND		NA	0.5
Chloromethane	ND	ND	ND		NA	0.5
Dibromochloromethane	ND	ND	ND		NA	0.5
1,2-Dichlorobenzene	ND	ND	ND		NA	0.5
1,3-Dichlorobenzene	ND	ND	ND		NA	0.5
1,4-Dichlorobenzene	ND	ND	ND		NA	0.5
Dichlorodifluoromethane	ND	ND	ND		NA	0.5
1,1-Dichloroethane	ND	ND	ND		NA	0.5
1,2-Dichloroethane	ND	ND	ND		NA	0.5
1,1-Dichloroethene	ND	ND	ND		NA	0.5
cis-1,2-Dichloroethene	ND	ND	ND		NA	0.5
trans-1,2-Dichloroethene	ND	ND	ND		NA	0.5
1,2-Dichloropropane	ND	ND	ND		NA	0.5
cis-1,3-Dichloropropene	ND	ND	ND		NA	0.5
trans-1,3-Dichloropropene	ND	ND	ND		NA	0.5
Methylene chloride	ND	ND	ND		NA	0.5
1,1,2,2-Tetrachloroethane	ND	ND	ND		NA	0.5
Tetrachloroethene	ND	ND	ND		NA	0.5
1,1,1-Trichloroethane	ND	ND	ND		NA	0.5
1,1,2-Trichloroethane	ND	ND	ND		NA	0.5
Trichloroethene	ND	ND	ND		NA	0.5
Trichlorofluoromethane	ND	ND	ND		NA	0.5
Vinyl Chloride	ND	ND	ND		NA	0.5
Surrogate Recoveries (%)						
%SS:	98.3	95.7	98.8			
Comments	i	i	h			

* 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.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content; k) reporting limit rasied due to insufficient sample amount.

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QC SUMMARY REPORT FOR SW8021B/8015Cm

Matrix: W WorkOrder: 0401149

EPA Method: SW8021B/8015Cm Extraction: SW5030B BatchID: 9987 Spiked Sample ID: 0401140-001A

	Sample	Spiked	MS*	MSD*	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
TPH(btex)£	ND	60	94.3	93.1	1.22	91	89.8	1.38	70	130
MTBE	ND	10	103	108	4.64	105	104	0.779	70	130
Benzene	ND	10	107	106	1.04	108	102	5.14	70	130
Toluene	ND	10	111	109	1.60	111	106	4.33	70	130
Ethylbenzene	ND	10	111	108	2.25	112	107	4.08	70	130
Xylenes	ND	30	110	110	0	113	110	2.99	70	130
%SS:	117	100	108	107	0.333	107	106	0.775	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

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.

£ 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 = 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.

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QC SUMMARY REPORT FOR SW8015C

Matrix: W WorkOrder: 0401149

EPA Method: SW8015C Extraction: SW3510C BatchID: 9981 Spiked Sample ID: N/A

	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
TPH(d)	N/A	7500	N/A	N/A	N/A	104	107	2.60	70	130
%SS:	N/A	2500	N/A	N/A	N/A	112	115	2.53	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

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.

DHS Certification No. 1644

QA/QC Officer

McCampbell Analytical, Inc.
110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
http://www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW8021B

Matrix: W WorkOrder: 0401149

EPA Method: SW8021B Extraction: SW5030B BatchID: 9978 Spiked Sample ID: 0401219-001E

	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
Chlorobenzene	ND	10	90.9	89.4	1.67	95	91.7	3.56	70	130
1,1-Dichloroethene	ND	10	85.5	84.1	1.63	95.6	92.1	3.74	70	130
Trichloroethene	ND	10	103	98.1	5.11	100	91.2	9.60	70	130
%SS:	86.7	10	88.2	88.4	0.187	93.5	93.5	0	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

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 Certification No. 1644

QA/QC Officer

McCampbell Analytical Inc.
110 Second Avenue South, #D7
Pacheco, CA 94553-5560
(925) 798-1620

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0401149

Report to:
Matt Meyers"
Cambria Env. Technology
5900 Hollis St, Suite A
Emeryville, CA 94608
TEL: (510) 420-0700
FAX: (510) 420-3394
ProjectNo: #522-1000-020; John Nady
PO:

Bill to:
Accounts Payable
Cambria Env. Technology
5900 Hollis St, Ste. A
Emeryville, CA 94608

Requested TAT: 5 days
Date Received: 1/14/04
Date Printed: 1/14/04

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
0401149-001	SB-12A	Water	1/13/04 7:30:00 AM	☐	B	A	C												
0401149-002	SB-20C	Water	1/13/04 12:45:00	☐	B	A	C												
0401149-003	SB-20A	Water	1/13/04 1:10:00 PM	☐	B	A	C												

Test Legend:

1	8010B_W	2	G-MBTEX_W	3	TPH(DMO)_W	4		5	
6		7		8		9		10	
11		12		13		14		15	

Prepared by: Melissa Valles

Comments:

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

cete

040114M

CHAIN OF CUSTODY RECORD

McCAMPBELL ANALYTICAL INC.
110 2nd AVENUE SOUTH, #D7
PACHECO, CA 94553-5560
Telephone: (925) 798-1620 Fax: (925) 798-1622

TURN AROUND TIME: ☐ RUSH ☐ 24 HOUR ☐ 48 HOUR ☒ 5 DAY

EDF Required? ☐ Yes ☒ No

Report To: Matt Meyers Bill To: Cambria

Company: Cambria Environmental Technology, Inc.

5900 Hollis Street, Suite A

Emeryville, Ca 94608 E-mail: mmeyers@cambria-env.com

Tele: (510) 420-3314 Fax: (510) 420-9170

Project #:522-1000-020 Project Name: John Nady

Project Location: 1137-1167 65th Street, Oakland

Sampler Signature:

	SAMPLE ID (Field Point Name)	LOCATION	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	Soil	Air	Sludge	Other	METHOD PRESERVED Ice	HCl	HNO_3	Other	BTEX and MTBE by EPA 8015	TPHg/ss/d/mo by EPA 8015	VOCs by EPA 8010	Other	Comments
#2	SB-12A		1/13/04	7:30	7	L Amber Voas	X					X	X			X	X	X		
#5	SB-20C		1/13/04	12:45																
#7	SB-20A		1/13/04	1:10																

Relinquished By:	Date:	Time:	Received By:
	1/13/04	8pm	'Secured Location'
	1/14/04	900	ULTRA EY E RICARDO
	1/14/04	1515	

Remarks:
Lowest possible detection limits.
Please email results.

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

	VOAS	O&G	METALS	OTHER
PRESERVATION	✓			

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http://www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology 5900 Hollis St, Suite A Emeryville, CA 94608	Client Project ID: #522-1000-020; John Nady	Date Sampled: 01/12/04
		Date Received: 01/13/04
	Client Contact: Matt Meyers	Date Reported: 01/20/04
	Client P.O.:	Date Completed: 01/20/04

WorkOrder: 0401123

January 20, 2004

Dear Matt:

Enclosed are:

1). the results of **2** analyzed samples from your **#522-1000-020; John Nady project,**

2). a QC report for the above samples

3). a copy of the chain of custody, and

4). a bill 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 please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Yours truly,

Angela Rydelius, Lab Manager

McCampbell Analytical Inc.
110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
http://www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology	Client Project ID: #522-1000-020; John Nady	Date Sampled: 01/12/04
5900 Hollis St, Suite A		Date Received: 01/13/04
Emeryville, CA 94608	Client Contact: Matt Meyers	Date Extracted: 01/14/04
	Client P.O.:	Date Analyzed: 01/14/04

Gasoline Range (C6-C12) Stoddard Solvent (C9-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction Method: SW5030B | Analytical Method: SW8021B/8015Cm | Work Order: 0401123

Lab ID	0401123-001A	0401123-002A			Reporting Limit for DF =1	
Client ID	SB-15A	SB-16A				
Matrix	W	W				
DF	1	1			S	W
Compound	**Concentration**				ug/kg	µg/L
TPH(g)	2700	1700			NA	50
TPH(ss)	2500	1500			NA	50
MTBE	ND	ND			NA	5.0
Benzene	ND	0.65			NA	0.5
Toluene	ND	0.51			NA	0.5
Ethylbenzene	ND	1.3			NA	0.5
Xylenes	17	7.7			NA	0.5
Surrogate Recoveries (%)						
%SS:	97.2	103				
Comments	e,i	e,h,i				

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

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

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Cambria Env. Technology	Client Project ID: #522-1000-020; John Nady	Date Sampled: 01/12/04
5900 Hollis St, Suite A		Date Received: 01/13/04
Emeryville, CA 94608	Client Contact: Matt Meyers	Date Extracted: 01/13/04
	Client P.O.:	Date Analyzed: 01/14/04

Diesel (C10-23) and Oil (C18+) Range Extractable Hydrocarbons as Diesel and Motor Oil*

Extraction method: SW3510C Analytical methods: SW8015C Work Order: 0401123

Lab ID	Client ID	Matrix	TPH(d)	TPH(mo)	DF	% SS
0401123-001B	SB-15A	W	2400,d,i	290	1	111
0401123-002B	SB-16A	W	23,000,d,g,h,i	9800	20	116

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.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant); d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel; f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

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http://www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology	Client Project ID: #522-1000-020; John Nady	Date Sampled: 01/12/04
5900 Hollis St, Suite A		Date Received: 01/13/04
Emeryville, CA 94608	Client Contact: Matt Meyers	Date Extracted: 01/14/04-01/16/04
	Client P.O.:	Date Analyzed: 01/14/04-01/16/04

Halogenated Volatile Organics by P&T and GC-ELCD (8010 Basic Target List)*

Extraction Method: SW5030B | Analytical Method: SW8021B | Work Order: 0401123

Lab ID	0401123-001C	0401123-002C	Reporting Limit for DF =1	
Client ID	SB-15A	SB-16A		
Matrix	W	W		
DF	1	5	S	W
Compound	**Concentration**		µg/kg	µg/L
Bromodichloromethane	ND	ND<2.5	NA	0.5
Bromoform	ND	ND<2.5	NA	0.5
Bromomethane	ND	ND<2.5	NA	0.5
Carbon Tetrachloride	ND	ND<2.5	NA	0.5
Chlorobenzene	ND	ND<2.5	NA	0.5
Chloroethane	ND	ND<2.5	NA	0.5
2-Chloroethyl vinyl ether	ND	ND<2.5	NA	0.5
Chloroform	ND	ND<2.5	NA	0.5
Chloromethane	ND	ND<2.5	NA	0.5
Dibromochloromethane	ND	ND<2.5	NA	0.5
1,2-Dichlorobenzene	ND	ND<2.5	NA	0.5
1,3-Dichlorobenzene	ND	ND<2.5	NA	0.5
1,4-Dichlorobenzene	ND	ND<2.5	NA	0.5
Dichlorodifluoromethane	ND	ND<2.5	NA	0.5
1,1-Dichloroethane	ND	ND<2.5	NA	0.5
1,2-Dichloroethane	ND	ND<2.5	NA	0.5
1,1-Dichloroethene	ND	ND<2.5	NA	0.5
cis-1,2-Dichloroethene	ND	ND<2.5	NA	0.5
trans-1,2-Dichloroethene	ND	ND<2.5	NA	0.5
1,2-Dichloropropane	ND	ND<2.5	NA	0.5
cis-1,3-Dichloropropene	ND	ND<2.5	NA	0.5
trans-1,3-Dichloropropene	ND	ND<2.5	NA	0.5
Methylene chloride	ND	ND<2.5	NA	0.5
1,1,2,2-Tetrachloroethane	ND	ND<2.5	NA	0.5
Tetrachloroethene	ND	ND<2.5	NA	0.5
1,1,1-Trichloroethane	ND	ND<2.5	NA	0.5
1,1,2-Trichloroethane	ND	ND<2.5	NA	0.5
Trichloroethene	ND	ND<2.5	NA	0.5
Trichlorofluoromethane	ND	ND<2.5	NA	0.5
Vinyl Chloride	ND	ND<2.5	NA	0.5
Surrogate Recoveries (%)				
%SS:	94.6	97.1		
Comments	i	j,h,i		

* 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.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content; k) reporting limit rasied due to insufficient sample amount.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

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QC SUMMARY REPORT FOR SW8021B/8015Cm

Matrix: W WorkOrder: 0401123

EPA Method: SW8021B/8015Cm Extraction: SW5030B BatchID: 9973 Spiked Sample ID: 0401128-004A

	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
MTBE	ND<10	10	117	119	1.15	107	104	2.42	70	130
Benzene	29.52	10	NR	NR	NR	107	103	3.64	70	130
Toluene	0.52	10	108	110	1.68	111	106	4.13	70	130
Ethylbenzene	8.12	10	107	105	0.850	111	107	3.65	70	130
Xylenes	4.70	30	114	114	0	110	110	0	70	130
%SS:	109	100	112	114	1.80	110	109	1.37	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

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.

£ 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 = 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.

McCampbell Analytical Inc.
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Telephone : 925-798-1620 Fax : 925-798-1622
http://www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW8015C

Matrix: W WorkOrder: 0401123

EPA Method: SW8015C Extraction: SW3510C BatchID: 9946 Spiked Sample ID: N/A

	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
TPH(d)	N/A	7500	N/A	N/A	N/A	93	91.7	1.38	70	130
%SS:	N/A	100	N/A	N/A	N/A	96.3	94.7	1.68	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

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.

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http://www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW8021B

Matrix: W WorkOrder: 0401123

EPA Method: SW8021B	Extraction: SW5030B	BatchID: 9978	Spiked Sample ID: 0401219-001E

	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
Chlorobenzene	ND	10	90.9	89.4	1.67	95	91.7	3.56	70	130
1,1-Dichloroethene	ND	10	85.5	84.1	1.63	95.6	92.1	3.74	70	130
Trichloroethene	ND	10	103	98.1	5.11	100	91.2	9.60	70	130
%SS:	86.7	10	88.2	88.4	0.187	93.5	93.5	0	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

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 Certification No. 1644

QA/QC Officer

McCampbell Analytical Inc.
110 Second Avenue South, #D7
Pacheco, CA 94553-5560
(925) 798-1620

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0401123

Report to:
Matt Meyers"
Cambria Env. Technology
5900 Hollis St, Suite A
Emeryville, CA 94608
TEL: (510) 420-0700
FAX: (510) 420-3394
ProjectNo: #522-1000-020; John Nady
PO:

Bill to:
Accounts Payable
Cambria Env. Technology
5900 Hollis St, Ste. A
Emeryville, CA 94608

Requested TAT: 5 days
Date Received: 1/13/04
Date Printed: 1/13/04

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)														
					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
0401123-001	SB-15A	Water	1/12/04 3:00:00 PM	☐	C	A	B												
0401123-002	SB-16A	Water	1/12/04 3:30:00 PM	☐	C	A	B												

Test Legend:

1	8010B_W	2	G-MBTEX_W	3	TPH(DMO)_W	4		5	
6		7		8		9		10	
11		12		13		14		15	

Prepared by: Melissa Valles

Comments:

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

CERT

040112

CHAIN OF CUSTODY RECORD

McCAMPBELL ANALYTICAL INC.
110 2nd AVENUE SOUTH, #D7
PACHECO, CA 94553-5560
Telephone: (925) 798-1620 Fax: (925) 798-1622

TURN AROUND TIME: ☐ RUSH ☐ 24 HOUR ☐ 48 HOUR ☒ 5 DAY

EDF Required? ☐ Yes ☒ No

Report To: Matt Meyers	Bill To: Cambria
Company: Cambria Environmental Technology, Inc.	
5900 Hollis Street, Suite A	
Emeryville, Ca 94608	E-mail: mmeyers@cambria-env.com
Tele: (510) 420-3314	Fax: (510) 420-9170
Project #:522-1000-020	Project Name: John Nady
Project Location: 1137-1167 65th Street, Oakland	
Sampler Signature:	

SAMPLE ID (Field Point Name)	LOCATION	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	MATRIX Soil	MATRIX Air	MATRIX Sludge	MATRIX Other	METHOD PRESERVED Ice	METHOD PRESERVED HCl	METHOD PRESERVED HNO_3	METHOD PRESERVED Other	Analysis Request: BTEX and MTBE by EPA 8015	Analysis Request: TPHg/ss/d/mo by EPA 8015	Analysis Request: VOCs by EPA 8010	Other	Comments
1230 SB-15A		1/12/04	3:00	7	Amber VOAs	X					X	X			X	X	X		
1240 SB-16A		1/12/04	3:30	7	Amber VOAs	X					X	X			X	X	X		

Relinquished By:	Date: 1/12/04	Time: 5:45	Received By: 'SECURED LOCATION'
Relinquished By:	Date: 1/13	Time: 10:05	Received By: FEDEX #280
Relinquished By: FEDEX #280	Date: 1/13	Time: 3:00	Received By:

Remarks:
Lowest possible detection limits.
Please email results.

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

PRESERVATION	VOAS	O&G	METALS	OTHER
	✓			

McCampbell Analytical Inc.
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http://www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology 5900 Hollis St, Suite A Emeryville, CA 94608	Client Project ID: #522-1000-020; John Nady	Date Sampled: 01/12/04
		Date Received: 01/13/04
	Client Contact: Matt Meyers	Date Reported: 01/16/04
	Client P.O.:	Date Completed: 01/16/04

WorkOrder: 0401122

January 16, 2004

Dear Matt:

Enclosed are:

1). the results of **4** analyzed samples from your **#522-1000-020; John Nady project,**

2). a QC report for the above samples

3). a copy of the chain of custody, and

4). a bill 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 please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Yours truly,

Angela Rydelius, Lab Manager

McCampbell Analytical Inc.
110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
http://www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology	Client Project ID: #522-1000-020; John Nady	Date Sampled: 01/12/04
5900 Hollis St, Suite A		Date Received: 01/13/04
Emeryville, CA 94608	Client Contact: Matt Meyers	Date Extracted: 01/13/04
	Client P.O.:	Date Analyzed: 01/13/04-01/15/04

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

Extraction Method: SW5030B | Analytical Method: SW8021B/8015Cm | Work Order: 0401122

Lab ID	0401122-001A	0401122-002A	0401122-003A	0401122-004A	Reporting Limit for DF =1	
Client ID	SB-15@7.5	SB-15@11.5	SB-16@7.5	SB-16@11.5		
Matrix	S	S	S	S		
DF	200	1	10	1	S	W
Compound	**Concentration**				mg/Kg	ug/L
TPH(g)	1500	ND	90	ND	1.0	NA
TPH(ss)	820	ND	49	ND	1.0	NA
MTBE	ND<10	ND	ND<0.50	ND	0.05	NA
Benzene	ND<1.0	ND	ND<0.050	ND	0.005	NA
Toluene	ND<1.0	ND	ND<0.050	ND	0.005	NA
Ethylbenzene	ND<1.0	ND	0.069	ND	0.005	NA
Xylenes	2.4	ND	0.11	ND	0.005	NA
Surrogate Recoveries (%)						
%SS:	99.8	100	94.5	95.3		
Comments	e		e			

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

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

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Cambria Env. Technology	Client Project ID: #522-1000-020; John Nady	Date Sampled: 01/12/04
5900 Hollis St, Suite A		Date Received: 01/13/04
Emeryville, CA 94608	Client Contact: Matt Meyers	Date Extracted: 01/13/04
	Client P.O.:	Date Analyzed: 01/13/04-01/14/04

Diesel (C10-23) and Oil (C18+) Range Extractable Hydrocarbons as Diesel and Motor Oil*

Extraction method: SW3550C Analytical methods: SW8015C Work Order: 0401122

Lab ID	Client ID	Matrix	TPH(d)	TPH(mo)	DF	% SS
0401122-001A	SB-15@7.5	S	190,d,b	9.3	1	104
0401122-002A	SB-15@11.5	S	ND	ND	1	105
0401122-003A	SB-16@7.5	S	59,d,b	ND	1	99.8
0401122-004A	SB-16@11.5	S	ND	ND	1	103

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	ug/L
	S	1.0	5.0	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.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant); d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel; f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit.

DHS Certification No. 1644

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Cambria Env. Technology	Client Project ID: #522-1000-020; John Nady	Date Sampled: 01/12/04
5900 Hollis St, Suite A		Date Received: 01/13/04
Emeryville, CA 94608	Client Contact: Matt Meyers	Date Extracted: 01/13/04
	Client P.O.:	Date Analyzed: 01/14/04-01/15/04

Halogenated Volatile Organics by P&T and GC-ELCD (8010 Basic Target List)*

Extraction Method: SW5030 Analytical Method: SW8021B Work Order: 0401122

Lab ID	0401122-001A	0401122-002A	0401122-003A	0401122-004A	Reporting Limit for DF =1	
Client ID	SB-15@7.5	SB-15@11.5	SB-16@7.5	SB-16@11.5		
Matrix	S	S	S	S		
DF	80	1	20	1	S	W
Compound	**Concentration**				µg/Kg	µg/L
Bromodichloromethane	ND<400	ND	ND<100	ND	5.0	NA
Bromoform	ND<400	ND	ND<100	ND	5.0	NA
Bromomethane	ND<400	ND	ND<100	ND	5.0	NA
Carbon Tetrachloride	ND<400	ND	ND<100	ND	5.0	NA
Chlorobenzene	ND<400	ND	ND<100	ND	5.0	NA
Chloroethane	ND<400	ND	ND<100	ND	5.0	NA
2-Chloroethyl vinyl ether	ND<400	ND	ND<100	ND	5.0	NA
Chloroform	ND<400	ND	ND<100	ND	5.0	NA
Chloromethane	ND<400	ND	ND<100	ND	5.0	NA
Dibromochloromethane	ND<400	ND	ND<100	ND	5.0	NA
1,2-Dichlorobenzene	ND<400	ND	ND<100	ND	5.0	NA
1,3-Dichlorobenzene	ND<400	ND	ND<100	ND	5.0	NA
1,4-Dichlorobenzene	ND<400	ND	ND<100	ND	5.0	NA
Dichlorodifluoromethane	ND<400	ND	ND<100	ND	5.0	NA
1,1-Dichloroethane	ND<400	ND	ND<100	ND	5.0	NA
1,2-Dichloroethane	ND<400	ND	ND<100	ND	5.0	NA
1,1-Dichloroethene	ND<400	ND	ND<100	ND	5.0	NA
cis-1,2-Dichloroethene	ND<400	ND	ND<100	ND	5.0	NA
trans-1,2-Dichloroethene	ND<400	ND	ND<100	ND	5.0	NA
1,2-Dichloropropane	ND<400	ND	ND<100	ND	5.0	NA
cis-1,3-Dichloropropene	ND<400	ND	ND<100	ND	5.0	NA
trans-1,3-Dichloropropene	ND<400	ND	ND<100	ND	5.0	NA
Methylene chloride	ND<400	ND	ND<100	ND	5.0	NA
1,1,2,2-Tetrachloroethane	ND<400	ND	ND<100	ND	5.0	NA
Tetrachloroethene	ND<400	ND	ND<100	ND	5.0	NA
1,1,1-Trichloroethane	ND<400	ND	ND<100	ND	5.0	NA
1,1,2-Trichloroethane	ND<400	ND	ND<100	ND	5.0	NA
Trichloroethene	ND<400	ND	ND<100	ND	5.0	NA
Trichlorofluoromethane	ND<400	ND	ND<100	ND	5.0	NA
Vinyl Chloride	ND<400	ND	ND<100	ND	5.0	NA
Surrogate Recoveries (%)						
%SS:	93.2	82.6	87.5	114		
Comments	j		j			

* 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.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content; k) reporting limit rasied due to insufficient sample amount.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

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QC SUMMARY REPORT FOR SW8021B/8015Cm

Matrix: S WorkOrder: 0401122

EPA Method: SW8021B/8015Cm Extraction: SW5030B BatchID: 9976 Spiked Sample ID: 0401125-001A

	Sample	Spiked	MS*	MSD*	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
TPH(btex)£	0.13	0.60	81.1	79.2	1.91	104	102	1.13	70	130
MTBE	ND	0.10	93.2	95.5	2.41	104	99	4.54	70	130
Benzene	ND	0.10	104	105	0.431	106	104	1.52	70	130
Toluene	ND	0.10	91.2	92.2	1.06	92.6	90.9	1.78	70	130
Ethylbenzene	ND	0.10	109	108	1.11	109	110	0.410	70	130
Xylenes	ND	0.30	100	100	0	100	100	0	70	130
%SS:	86.7	0.10	115	118	2.58	118	118	0	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

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.

£ 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 = 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 Certification No. 1644

QA/QC Officer

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QC SUMMARY REPORT FOR SW8015C

Matrix: S WorkOrder: 0401122

EPA Method: SW8015C	Extraction: SW3550C	BatchID: 9962	Spiked Sample ID: 0401102-007A

	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
TPH(d)	ND	150	107	106	0.129	95.3	96.3	1.05	70	130
%SS:	98.7	100	115	115	0	96.2	98.2	2.11	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

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.

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QC SUMMARY REPORT FOR SW8021B

Matrix: S WorkOrder: 0401122

EPA Method: SW8021B	Extraction: SW5030		BatchID: 9966			Spiked Sample ID: 0401108-004A				
	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/Kg	µg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
Chlorobenzene	ND	50	76.8	81.2	5.65	84.5	85	0.630	70	130
1,1-Dichloroethene	ND	50	95.1	94.4	0.741	117	111	4.92	70	130
Trichloroethene	ND	50	77.1	82.9	7.23	97.2	89.8	7.94	70	130
%SS:	87.9	100	77.8	87.6	11.8	86.3	79.8	7.84	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

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.

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(925) 798-1620

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0401122

Report to:
Matt Meyers"
Cambria Env. Technology
5900 Hollis St, Suite A
Emeryville, CA 94608

TEL: (510) 420-0700
FAX: (510) 420-3394
ProjectNo: #522-1000-020; John Nady
PO:

Bill to:
Accounts Payable
Cambria Env. Technology
5900 Hollis St, Ste. A
Emeryville, CA 94608

Requested TAT: 5 days
Date Received: 1/13/04
Date Printed: 1/13/04

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)														
					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
0401122-001	SB-15@7.5	Soil	1/12/04 1:25:00 PM	☐	A	A	A												
0401122-002	SB-15@11.5	Soil	1/12/04 1:30:00 PM	☐	A	A	A												
0401122-003	SB-16@7.5	Soil	1/12/04 2:30:00 PM	☐	A	A	A												
0401122-004	SB-16@11.5	Soil	1/12/04 2:40:00 PM	☐	A	A	A												

Test Legend:

1	8010B_S	2	G-MBTEX_S	3	TPH(DMO)_S	4		5	
6		7		8		9		10	
11		12		13		14		15	

Prepared by: Melissa Valles

Comments:

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

cell   040112a

McCAMPBELL ANALYTICAL INC.
110 2nd AVENUE SOUTH, #D7
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CHAIN OF CUSTODY RECORD

TURN AROUND TIME: ☐ RUSH ☐ 24 HOUR ☐ 48 HOUR ☒ 5 DAY

EDF Required? ☐ Yes ☒ No

Report To: Matt Meyers   Bill To: Cambria
Company: Cambria Environmental Technology, Inc.
5900 Hollis Street, Suite A
Emeryville, Ca 94608   E-mail: mmeyers@cambria-env.com
Tele: (510) 420-3314   Fax: (510) 420-9170
Project #:522-1000-020   Project Name: John Nady
Project Location: 1137-1167 65th Street, Oakland
Sampler Signature: [signature]

SAMPLE ID (Field Point Name)	LOCATION	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	MATRIX Soil	MATRIX Air	MATRIX Sludge	MATRIX Other	METHOD PRESERVED Ice	METHOD PRESERVED HCl	METHOD PRESERVED HNO_3	METHOD PRESERVED Other	BTEX and MTBE by EPA 8015	TPHg/ss/d/mo by EPA 8015	VOCs by EPA 8010	Other	Comments
SB-15@7.5		1/12/04	1:25	1	TUBE		X				X				X	X	X		
SB-15@11.5		↓	1:30	↓	↓		↓				↓				↓	↓	↓		
SB-16@7.5		↓	2:30	↓	↓		↓				↓				↓	↓	↓		
SB-16@11.5		↓	2:40	↓	↓		↓				↓				↓	↓	↓		

Relinquished By:	Date:	Time:	Received By:
[signature]	1/12/04	5:15	SECURE LOCATION
[signature]	1/13/04	10:05	ULTREX #280
ULTREX #280	1/13	3:00	Mel Valle

Remarks:
Lowest possible detection limits.
Please email results.

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

PRESERVATION | VOAS | O&G | METALS | OTHER

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Cambria Env. Technology 5900 Hollis St, Suite A Emeryville, CA 94608	Client Project ID: #522-1000-020; John Nady	Date Sampled: 01/09/04
		Date Received: 01/12/04
	Client Contact: Matt Meyers	Date Reported: 01/20/04
	Client P.O.:	Date Completed: 01/20/04

WorkOrder: 0401109

January 20, 2004

Dear Matt:

Enclosed are:

1). the results of **3** analyzed samples from your **#522-1000-020; John Nady project,**

2). a QC report for the above samples

3). a copy of the chain of custody, and

4). a bill 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 please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Yours truly,

Angela Rydelius, Lab Manager

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Cambria Env. Technology	Client Project ID: #522-1000-020; John Nady	Date Sampled: 01/09/04
5900 Hollis St, Suite A		Date Received: 01/12/04
Emeryville, CA 94608	Client Contact: Matt Meyers	Date Extracted: 01/13/04
	Client P.O.:	Date Analyzed: 01/13/04

Gasoline Range (C6-C12) Stoddard Solvent Range (C9-C12) Volatile Hydrocarbons with BTEX & MTBE*

Extraction Method: SW5030B Analytical Method: SW8021B/8015Cm Work Order: 0401109

Lab ID	0401109-001A	0401109-002A	0401109-003A		Reporting Limit for DF =1	
Client ID	SB-18B	SB-14A	SB-18C			
Matrix	W	W	W			
DF	1	1	1		S	W
Compound	**Concentration**				ug/kg	µg/L
TPH(g)	250	ND	300		NA	50
TPH(ss)	ND	ND	170		NA	50
MTBE	ND<200	ND	ND<110		NA	5.0
Benzene	0.54	0.58	0.82		NA	0.5
Toluene	ND	ND	ND		NA	0.5
Ethylbenzene	ND	ND	ND		NA	0.5
Xylenes	0.64	ND	1.3		NA	0.5
Surrogate Recoveries (%)						
%SS:	---#	118	---#			
Comments	f,a	i	f,a,i			

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

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

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Cambria Env. Technology	Client Project ID: #522-1000-020; John Nady	Date Sampled: 01/09/04
5900 Hollis St, Suite A		Date Received: 01/12/04
Emeryville, CA 94608	Client Contact: Matt Meyers	Date Extracted: 01/12/04
	Client P.O.:	Date Analyzed: 01/13/04

Diesel (C10-23) and Oil (C18+) Range Extractable Hydrocarbons as Diesel and Motor Oil*

Extraction method: SW3510C Analytical methods: SW8015C Work Order: 0401109

Lab ID	Client ID	Matrix	TPH(d)	TPH(mo)	DF	% SS
0401109-001C	SB-18B	W	92,d,f	ND	1	93.5
0401109-002C	SB-14A	W	ND,i	ND	1	97.1

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.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant); d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel; f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

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Cambria Env. Technology	Client Project ID: #522-1000-020; John Nady	Date Sampled: 01/09/04
5900 Hollis St, Suite A		Date Received: 01/12/04
Emeryville, CA 94608	Client Contact: Matt Meyers	Date Extracted: 01/14/04-01/15/04
	Client P.O.:	Date Analyzed: 01/14/04-01/15/04

Halogenated Volatile Organics by P&T and GC-ELCD (8010 Basic Target List)*

Extraction Method: SW5030B | Analytical Method: SW8021B | Work Order: 0401109

Lab ID	0401109-001B	0401109-002B	0401109-003B		Reporting Limit for DF =1	
Client ID	SB-18B	SB-14A	SB-18C			
Matrix	W	W	W			
DF	200	1	100		S	W
Compound	**Concentration**				µg/kg	µg/L
Bromodichloromethane	ND<100	ND	ND<50		NA	0.5
Bromoform	ND<100	ND	ND<50		NA	0.5
Bromomethane	ND<100	ND	ND<50		NA	0.5
Carbon Tetrachloride	ND<100	ND	ND<50		NA	0.5
Chlorobenzene	ND<100	ND	ND<50		NA	0.5
Chloroethane	ND<100	ND	ND<50		NA	0.5
2-Chloroethyl vinyl ether	ND<100	ND	ND<50		NA	0.5
Chloroform	ND<100	ND	ND<50		NA	0.5
Chloromethane	ND<100	ND	ND<50		NA	0.5
Dibromochloromethane	ND<100	ND	ND<50		NA	0.5
1,2-Dichlorobenzene	ND<100	ND	ND<50		NA	0.5
1,3-Dichlorobenzene	ND<100	ND	ND<50		NA	0.5
1,4-Dichlorobenzene	ND<100	ND	ND<50		NA	0.5
Dichlorodifluoromethane	ND<100	ND	ND<50		NA	0.5
1,1-Dichloroethane	ND<100	ND	ND<50		NA	0.5
1,2-Dichloroethane	ND<100	ND	ND<50		NA	0.5
1,1-Dichloroethene	ND<100	ND	ND<50		NA	0.5
cis-1,2-Dichloroethene	1800	ND	1200		NA	0.5
trans-1,2-Dichloroethene	ND<100	ND	ND<50		NA	0.5
1,2-Dichloropropane	ND<100	ND	ND<50		NA	0.5
cis-1,3-Dichloropropene	ND<100	ND	ND<50		NA	0.5
trans-1,3-Dichloropropene	ND<100	ND	ND<50		NA	0.5
Methylene chloride	ND<100	ND	ND<50		NA	0.5
1,1,2,2-Tetrachloroethane	ND<100	ND	ND<50		NA	0.5
Tetrachloroethene	630	ND	300		NA	0.5
1,1,1-Trichloroethane	ND<100	ND	ND<50		NA	0.5
1,1,2-Trichloroethane	ND<100	ND	ND<50		NA	0.5
Trichloroethene	430	ND	250		NA	0.5
Trichlorofluoromethane	ND<100	ND	ND<50		NA	0.5
Vinyl Chloride	ND<100	ND	ND<50		NA	0.5
Surrogate Recoveries (%)						
%SS:	93.5	89.8	92.2			
Comments		i	i			

* 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.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content; k) reporting limit rasied due to insufficient sample amount.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

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Telephone : 925-798-1620 Fax : 925-798-1622
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QC SUMMARY REPORT FOR SW8021B/8015Cm

Matrix: W WorkOrder: 0401109

EPA Method: SW8021B/8015Cm Extraction: SW5030B BatchID: 9956 Spiked Sample ID: 0401095-003A

	Sample	Spiked	MS*	MSD*	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
TPH(btex)£	ND	60	90.1	90.7	0.695	99.9	104	4.12	70	130
MTBE	ND	10	107	107	0	96.6	100	4.00	70	130
Benzene	ND	10	109	108	1.62	110	114	3.57	70	130
Toluene	ND	10	113	111	1.98	106	110	3.48	70	130
Ethylbenzene	ND	10	115	113	1.96	114	118	3.36	70	130
Xylenes	ND	30	117	113	2.90	107	107	0	70	130
%SS:	117	10	111	110	0.928	105	105	0	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

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.

£ 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 = 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 Certification No. 1644

QA/QC Officer

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QC SUMMARY REPORT FOR SW8021B

Matrix: W WorkOrder: 0401109

EPA Method: SW8021B Extraction: SW5030B BatchID: 9945 Spiked Sample ID: 0401079-010A

	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
Chlorobenzene	ND	10	94	94.4	0.472	96.5	96.2	0.299	70	130
1,1-Dichloroethene	ND	10	99.2	92.6	6.89	101	98.5	2.47	70	130
Trichloroethene	ND	10	85.5	87.7	2.46	94.3	90.3	4.32	70	130
%SS:	85.7	100	94.4	93.3	1.19	97.7	98.8	1.10	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

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.

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QC SUMMARY REPORT FOR SW8015C

Matrix: W WorkOrder: 0401109

EPA Method: SW8015C Extraction: SW3510C BatchID: 9946 Spiked Sample ID: N/A

	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
TPH(d)	N/A	7500	N/A	N/A	N/A	93	91.7	1.38	70	130
%SS:	N/A	100	N/A	N/A	N/A	96.3	94.7	1.68	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

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.

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(925) 798-1620

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0401109

Report to:
Jason Olson
Cambria Env. Technology
5900 Hollis St, Suite A
Emeryville, CA 94608
TEL: (510) 420-0700
FAX: (510) 420-3394
ProjectNo: #522-1000-020; John Nady
PO:

Bill to:
Accounts Payable
Cambria Env. Technology
5900 Hollis St, Ste. A
Emeryville, CA 94608

Requested TAT: 5 days
Date Received: 1/12/04
Date Printed: 1/12/04

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
0401109-001	SB-18B	Water	1/9/04 2:30:00 PM	☐	B	A	C												
0401109-002	SB-14A	Water	1/9/04 3:00:00 PM	☐	B	A	C												
0401109-003	SB-18C	Water	1/9/04 4:30:00 PM	☐	B	A													

Test Legend:

1	8010B_W	2	G-MBTEX_W	3	TPH(DMO)_W	4		5	
6		7		8		9		10	
11		12		13		14		15	

Prepared by: Melissa Valles

Comments:

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

CETR

0401104

CHAIN OF CUSTODY RECORD

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Telephone: (925) 798-1620 Fax: (925) 798-1622

TURN AROUND TIME: ☐ RUSH ☐ 24 HOUR ☐ 48 HOUR ☒ 5 DAY

EDF Required? ☐ Yes ☒ No

Report To: Matt Meyers Bill To: Cambria

Company: Cambria Environmental Technology, Inc.

5900 Hollis Street, Suite A

Emeryville, Ca 94608 E-mail: mmeyers@cambria-env.com

Tele: (510) 420-3314 Fax: (510) 420-9170

Project #:522-1000-020 Project Name: John Nady

Project Location: 1137-1167 65th Street, Oakland

Sampler Signature:

SAMPLE ID (Field Point Name)	LOCATION	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	Soil	Air	Sludge	Other	METHOD PRESERVED Ice	HCl	HNO_3	Other	BTEX and MTBE by EPA 8015	TPHg/ss/d/mo by EPA 8015	VOCs by EPA 8010	Other	Comments
11 SB-18B		1/9/04	2:30	7	1L Amb VOAs	X					X	X			X	X	X		
10 SB-19A		1/9/04	3:00	6	VOAs	↓					↓	↓			↓	↓	↓		
12 SB-18C		1/9/04	4:30	6	VOAs	↓					↓	↓			↓	↓	↓		5,35 ND 8/MA

Relinquished By:	Date:	Time:	Received By:
	1/9/04	6:30	'SECURED LOCATION'
Relinquished By:	Date:	Time:	Received By:
	1/13/04	11:30	298
Relinquished By: 298	Date:	Time:	Received By:
	1/13/04	1455	

Remarks:
Lowest possible detection limits.
Please email results.

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

PRESERVATION	VOAS	O&G	METALS	OTHER
	✓			

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Cambria Env. Technology 5900 Hollis St, Suite A Emeryville, CA 94608	Client Project ID: #522-1000-020; John Nady	Date Sampled: 01/09/04
		Date Received: 01/12/04
	Client Contact: Matt Meyers	Date Reported: 01/20/04
	Client P.O.:	Date Completed: 01/20/04

WorkOrder: 0401108

January 20, 2004

Dear Matt:

Enclosed are:

1). the results of **4** analyzed samples from your **#522-1000-020; John Nady project,**

2). a QC report for the above samples

3). a copy of the chain of custody, and

4). a bill 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 please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Yours truly,

Angela Rydelius, Lab Manager

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Cambria Env. Technology	Client Project ID: #522-1000-020; John Nady	Date Sampled: 01/09/04
5900 Hollis St, Suite A		Date Received: 01/12/04
Emeryville, CA 94608	Client Contact: Matt Meyers	Date Extracted: 01/12/04
	Client P.O.:	Date Analyzed: 01/13/04-01/15/04

Gasoline Range (C6-C12), Stoddard Solvent (C9-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction Method: SW5030B | Analytical Method: SW8021B/8015Cm | Work Order: 0401108

Lab ID	0401108-001A	0401108-002A	0401108-003A	0401108-004A	Reporting Limit for DF =1	
Client ID	SB-14@7.5	SB-14@11.5	SB-18@17.5	SB-18@20		
Matrix	S	S	S	S		
DF	50	1	50	1	S	W
Compound	**Concentration**				mg/Kg	ug/L
TPH(g)	210	ND	1000	ND	1.0	NA
TPH(ss)	100	ND	990	ND	1.0	NA
MTBE	ND<2.5	ND	ND<2.5	ND	0.05	NA
Benzene	0.64	ND	ND<0.25	ND	0.005	NA
Toluene	0.39	ND	ND<0.25	ND	0.005	NA
Ethylbenzene	1.8	ND	0.57	ND	0.005	NA
Xylenes	5.0	ND	2.9	ND	0.005	NA
Surrogate Recoveries (%)						
%SS:	114	101	107	95.0		
Comments	a		e			

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

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

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Cambria Env. Technology	Client Project ID: #522-1000-020; John Nady	Date Sampled: 01/09/04
5900 Hollis St, Suite A		Date Received: 01/12/04
Emeryville, CA 94608	Client Contact: Matt Meyers	Date Extracted: 01/12/04
	Client P.O.:	Date Analyzed: 01/12/04-01/13/04

Diesel (C10-23) and Oil (C18+) Range Extractable Hydrocarbons as Diesel and Motor Oil*

Extraction method: SW3550C Analytical methods: SW8015C Work Order: 0401108

Lab ID	Client ID	Matrix	TPH(d)	TPH(mo)	DF	% SS
0401108-001A	SB-14@7.5	S	64,d	ND	1	114
0401108-002A	SB-14@11.5	S	ND	ND	1	105
0401108-003A	SB-18@17.5	S	660,d,b	ND<50	10	98.6
0401108-004A	SB-18@20	S	ND	ND	1	95.6

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	ug/L
	S	1.0	5.0	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.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant); d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel; f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit.

DHS Certification No. 1644

_____Angela Rydelius, Lab Manager

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Cambria Env. Technology	Client Project ID: #522-1000-020; John Nady	Date Sampled: 01/09/04
5900 Hollis St, Suite A		Date Received: 01/12/04
Emeryville, CA 94608	Client Contact: Matt Meyers	Date Extracted: 01/12/04
	Client P.O.:	Date Analyzed: 01/14/04

Halogenated Volatile Organics by P&T and GC-ELCD (8010 Basic Target List)*

Extraction Method: SW5030 Analytical Method: SW8021B Work Order: 0401108

Lab ID	0401108-001A	0401108-002A	0401108-003A	0401108-004A	Reporting Limit for DF =1	
Client ID	SB-14@7.5	SB-14@11.5	SB-18@17.5	SB-18@20		
Matrix	S	S	S	S		
DF	80	1	80	1	S	W
Compound	**Concentration**				µg/Kg	µg/L
Bromodichloromethane	ND<400	ND	ND<400	ND	5.0	NA
Bromoform	ND<400	ND	ND<400	ND	5.0	NA
Bromomethane	ND<400	ND	ND<400	ND	5.0	NA
Carbon Tetrachloride	ND<400	ND	ND<400	ND	5.0	NA
Chlorobenzene	ND<400	ND	ND<400	ND	5.0	NA
Chloroethane	ND<400	ND	ND<400	ND	5.0	NA
2-Chloroethyl vinyl ether	ND<400	ND	ND<400	ND	5.0	NA
Chloroform	ND<400	ND	ND<400	ND	5.0	NA
Chloromethane	ND<400	ND	ND<400	ND	5.0	NA
Dibromochloromethane	ND<400	ND	ND<400	ND	5.0	NA
1,2-Dichlorobenzene	ND<400	ND	ND<400	ND	5.0	NA
1,3-Dichlorobenzene	ND<400	ND	ND<400	ND	5.0	NA
1,4-Dichlorobenzene	ND<400	ND	ND<400	ND	5.0	NA
Dichlorodifluoromethane	ND<400	ND	ND<400	ND	5.0	NA
1,1-Dichloroethane	ND<400	ND	ND<400	ND	5.0	NA
1,2-Dichloroethane	ND<400	ND	ND<400	ND	5.0	NA
1,1-Dichloroethene	ND<400	ND	ND<400	ND	5.0	NA
cis-1,2-Dichloroethene	ND<400	ND	ND<400	ND	5.0	NA
trans-1,2-Dichloroethene	ND<400	ND	ND<400	ND	5.0	NA
1,2-Dichloropropane	ND<400	ND	ND<400	ND	5.0	NA
cis-1,3-Dichloropropene	ND<400	ND	ND<400	ND	5.0	NA
trans-1,3-Dichloropropene	ND<400	ND	ND<400	ND	5.0	NA
Methylene chloride	ND<400	ND	ND<400	ND	5.0	NA
1,1,2,2-Tetrachloroethane	ND<400	ND	ND<400	ND	5.0	NA
Tetrachloroethene	ND<400	ND	ND<400	ND	5.0	NA
1,1,1-Trichloroethane	ND<400	ND	ND<400	ND	5.0	NA
1,1,2-Trichloroethane	ND<400	ND	ND<400	ND	5.0	NA
Trichloroethene	ND<400	ND	ND<400	ND	5.0	NA
Trichlorofluoromethane	ND<400	ND	ND<400	ND	5.0	NA
Vinyl Chloride	ND<400	ND	ND<400	ND	5.0	NA
Surrogate Recoveries (%)						
%SS:	101	118	84.5	87.9		
Comments	j		j			

* 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.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content; k) reporting limit rasied due to insufficient sample amount.

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QC SUMMARY REPORT FOR SW8021B/8015Cm

Matrix: S WorkOrder: 0401108

EPA Method: SW8021B/8015Cm Extraction: SW5030B BatchID: 9961 Spiked Sample ID: 0401102-007A

	Sample	Spiked	MS*	MSD*	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
TPH(btex)£	ND	0.60	100	104	4.04	101	101	0	70	130
MTBE	ND	0.10	98	97.6	0.364	97.8	101	3.43	70	130
Benzene	ND	0.10	108	108	0	107	105	2.21	70	130
Toluene	ND	0.10	94.4	95	0.591	91	91.5	0.471	70	130
Ethylbenzene	ND	0.10	114	114	0	108	109	0.706	70	130
Xylenes	ND	0.30	103	103	0	100	100	0	70	130
%SS:	90.3	0.10	115	114	0.873	116	119	2.55	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

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.

£ 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 = 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 Certification No. 1644

QA/QC Officer

McCampbell Analytical Inc.
110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
http://www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW8015C

Matrix: S WorkOrder: 0401108

EPA Method: SW8015C	Extraction: SW3550C	BatchID: 9962	Spiked Sample ID: 0401102-007A

	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
TPH(d)	ND	150	107	106	0.129	95.3	96.3	1.05	70	130
%SS:	98.7	100	115	115	0	96.2	98.2	2.11	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

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.

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QC SUMMARY REPORT FOR SW8021B

Matrix: S WorkOrder: 0401108

EPA Method: SW8021B	Extraction: SW5030			BatchID: 9966			Spiked Sample ID: 0401108-004A			
	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/Kg	µg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
Chlorobenzene	ND	50	76.8	81.2	5.65	84.5	85	0.630	70	130
1,1-Dichloroethene	ND	50	95.1	94.4	0.741	117	111	4.92	70	130
Trichloroethene	ND	50	77.1	82.9	7.23	97.2	89.8	7.94	70	130
%SS:	87.9	100	77.8	87.6	11.8	86.3	79.8	7.84	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

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.

McCampbell Analytical Inc.
110 Second Avenue South, #D7
Pacheco, CA 94553-5560
(925) 798-1620

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0401108

Report to:
Jason Olson
Cambria Env. Technology
5900 Hollis St, Suite A
Emeryville, CA 94608

TEL: (510) 420-0700
FAX: (510) 420-3394
ProjectNo: #522-1000-020; John Nady
PO:

Bill to:
Accounts Payable
Cambria Env. Technology
5900 Hollis St, Ste. A
Emeryville, CA 94608

Requested TAT: 5 days
Date Received: 1/12/04
Date Printed: 1/12/04

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
0401108-001	SB-14@7.5	Soil	1/9/04 8:20:00 AM	☐	A	A	A												
0401108-002	SB-14@11.5	Soil	1/9/04 8:40:00 AM	☐	A	A	A												
0401108-003	SB-18@17.5	Soil	1/9/04 11:30:00 AM	☐	A	A	A												
0401108-004	SB-18@20	Soil	1/9/04 11:40:00 AM	☐	A	A	A												

Test Legend:

1	8010B_S	2	G-MBTEX_S	3	TPH(DMO)_S	4		5	
6		7		8		9		10	
11		12		13		14		15	

Prepared by: Melissa Valles

Comments:

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

0401108

CHAIN OF CUSTODY RECORD

McCAMPBELL ANALYTICAL INC.
110 2nd AVENUE SOUTH, #D7
PACHECO, CA 94553-5560
Telephone: (925) 798-1620 Fax: (925) 798-1622

TURN AROUND TIME: ☐ RUSH ☐ 24 HOUR ☐ 48 HOUR ☒ 5 DAY

EDF Required? ☐ Yes ☒ No

Report To: Matt Meyers Bill To: Cambria

Company: Cambria Environmental Technology, Inc.

5900 Hollis Street, Suite A

Emeryville, Ca 94608 E-mail: mmeyers@cambria-env.com

Tele: (510) 420-3314 Fax: (510) 420-9170

Project #:522-1000-020 Project Name: John Nady

Project Location: 1137-1167 65th Street, Oakland

Sampler Signature:

SAMPLE ID (Field Point Name)	LOCATION	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX: Water	Soil	Air	Sludge	Other	METHOD PRESERVED: Ice	HCl	HNO_3	Other	Analysis Request: BTEX and MTBE by EPA 8015	TPHg/ss/d/mo by EPA 8015	VOCs by EPA 8010	Other	Comments
SB-1@7.5		11/9/04	8:20	1	TUBE		X				X				X	X	X		
SB-1@11.5		"	8:40	↓	↓		↓				↓				↓	↓	↓		
SB-1@11.5			11:30																
SB-1@20		↓	11:40	↓	↓		↓				↓				↓	↓	↓		

Relinquished By:	Date:	Time:	Received By:
	11/9/04	6:30	1 SECURED LOCATION'
Relinquished By:	Date:	Time:	Received By:
	11/12/04	11:30	
Relinquished By:	Date:	Time:	Received By:
	11/12/04	1455	

Remarks:
Lowest possible detection limits.
Please email results.

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

PRESERVATION	VOAS	O&G	METALS	OTHER

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Cambria Env. Technology 5900 Hollis St, Suite A Emeryville, CA 94608	Client Project ID: #522-1000-020; John Nady	Date Sampled: 01/08/04
		Date Received: 01/09/04
	Client Contact: Matt Meyers	Date Reported: 01/15/04
	Client P.O.:	Date Completed: 01/15/04

WorkOrder: 0401089

January 15, 2004

Dear Matt:

Enclosed are:

1). the results of 3 analyzed samples from your **#522-1000-020; John Nady project,**

2). a QC report for the above samples

3). a copy of the chain of custody, and

4). a bill 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 please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Yours truly,

Angela Rydelius, Lab Manager

McCampbell Analytical Inc.
110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
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Cambria Env. Technology	Client Project ID: #522-1000-020; John Nady	Date Sampled: 01/08/04
5900 Hollis St, Suite A		Date Received: 01/09/04
Emeryville, CA 94608	Client Contact: Matt Meyers	Date Extracted: 01/10/04-01/13/04
	Client P.O.:	Date Analyzed: 01/10/04-01/13/04

Gasoline Range (C6-C12) Stoddard Solvent Range (C9-C12) Volatile Hydrocarbons with BTEX and MTBE*

Extraction Method: SW5030B | Analytical Method: SW8021B/8015Cm | Work Order: 0401089

Lab ID	0401089-001A	0401089-002A	0401089-003A		Reporting Limit for DF =1	
Client ID	SB-25A	SB-25C	SB-17B			
Matrix	W	W	W			
DF	1	1	1		S	W
Compound	**Concentration**				ug/kg	µg/L
TPH(g)	ND	ND	120		NA	50
TPH(ss)	ND	ND	ND		NA	50
MTBE	ND	ND	ND<50		NA	5.0
Benzene	ND	ND	ND		NA	0.5
Toluene	ND	ND	ND		NA	0.5
Ethylbenzene	ND	ND	ND		NA	0.5
Xylenes	ND	ND	ND		NA	0.5
Surrogate Recoveries (%)						
%SS:	102	113	82.2			
Comments	i	i	f,i			

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

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

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Cambria Env. Technology	Client Project ID: #522-1000-020; John Nady	Date Sampled: 01/08/04
5900 Hollis St, Suite A		Date Received: 01/09/04
Emeryville, CA 94608	Client Contact: Matt Meyers	Date Extracted: 01/09/04
	Client P.O.:	Date Analyzed: 01/09/04-01/10/04

Diesel (C10-23) and Oil (C18+) Range Extractable Hydrocarbons as Diesel and Motor Oil*

Extraction method: SW3510C Analytical methods: SW8015C Work Order: 0401089

Lab ID	Client ID	Matrix	TPH(d)	TPH(mo)	DF	% SS
0401089-001C	SB-25A	W	64,b,f,i	ND	1	106
0401089-002C	SB-25C	W	ND,i	ND	1	105
0401089-003C	SB-17B	W	95,b,d,i	ND	1	103

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.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant); d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel; f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

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Cambria Env. Technology	Client Project ID: #522-1000-020; John Nady	Date Sampled: 01/08/04
5900 Hollis St, Suite A		Date Received: 01/09/04
Emeryville, CA 94608	Client Contact: Matt Meyers	Date Extracted: 01/10/04-01/13/04
	Client P.O.:	Date Analyzed: 01/10/04-01/13/04

Halogenated Volatile Organics by P&T and GC-ELCD (8010 Basic Target List)*

Extraction Method: SW5030B | Analytical Method: SW8021B | Work Order: 0401089

Lab ID	0401089-001B	0401089-002B	0401089-003B		Reporting Limit for DF =1	
Client ID	SB-25A	SB-25C	SB-17B			
Matrix	W	W	W			
DF	1	1	100		S	W
Compound	**Concentration**				µg/kg	µg/L
Bromodichloromethane	ND	ND	ND<50		NA	0.5
Bromoform	ND	ND	ND<50		NA	0.5
Bromomethane	ND	ND	ND<50		NA	0.5
Carbon Tetrachloride	ND	ND	ND<50		NA	0.5
Chlorobenzene	ND	ND	ND<50		NA	0.5
Chloroethane	ND	ND	ND<50		NA	0.5
2-Chloroethyl vinyl ether	ND	ND	ND<50		NA	0.5
Chloroform	ND	ND	ND<50		NA	0.5
Chloromethane	ND	ND	ND<50		NA	0.5
Dibromochloromethane	ND	ND	ND<50		NA	0.5
1,2-Dichlorobenzene	ND	ND	ND<50		NA	0.5
1,3-Dichlorobenzene	ND	ND	ND<50		NA	0.5
1,4-Dichlorobenzene	ND	ND	ND<50		NA	0.5
Dichlorodifluoromethane	ND	ND	ND<50		NA	0.5
1,1-Dichloroethane	ND	ND	ND<50		NA	0.5
1,2-Dichloroethane	ND	ND	ND<50		NA	0.5
1,1-Dichloroethene	ND	ND	ND<50		NA	0.5
cis-1,2-Dichloroethene	ND	ND	1100		NA	0.5
trans-1,2-Dichloroethene	ND	ND	ND<50		NA	0.5
1,2-Dichloropropane	ND	ND	ND<50		NA	0.5
cis-1,3-Dichloropropene	ND	ND	ND<50		NA	0.5
trans-1,3-Dichloropropene	ND	ND	ND<50		NA	0.5
Methylene chloride	ND	ND	ND<50		NA	0.5
1,1,2,2-Tetrachloroethane	ND	ND	ND<50		NA	0.5
Tetrachloroethene	ND	ND	ND<50		NA	0.5
1,1,1-Trichloroethane	ND	ND	ND<50		NA	0.5
1,1,2-Trichloroethane	ND	ND	ND<50		NA	0.5
Trichloroethene	ND	ND	ND<50		NA	0.5
Trichlorofluoromethane	ND	ND	ND<50		NA	0.5
Vinyl Chloride	ND	ND	ND<50		NA	0.5
Surrogate Recoveries (%)						
%SS:	103	83.9	90.7			
Comments	i	i	i			

* 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.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content; k) reporting limit rasied due to insufficient sample amount.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

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QC SUMMARY REPORT FOR SW8021B/8015Cm

Matrix: W WorkOrder: 0401089

EPA Method: SW8021B/8015Cm Extraction: SW5030B BatchID: 9942 Spiked Sample ID: 0401076-003A

	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
MTBE	ND	10	101	102	0.899	106	98.9	7.33	70	130
Benzene	ND	10	111	107	4.21	107	102	5.14	70	130
Toluene	ND	10	107	104	2.79	104	99.5	4.55	70	130
Ethylbenzene	ND	10	115	111	3.63	112	107	4.88	70	130
Xylenes	ND	30	107	100	6.45	107	100	6.45	70	130
%SS:	101	100	104	102	1.72	99.6	116	15.6	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

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.

£ 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 = 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.

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Telephone : 925-798-1620 Fax : 925-798-1622
http://www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW8015C

Matrix: W WorkOrder: 0401089

EPA Method: SW8015C Extraction: SW3510C BatchID: 9946 Spiked Sample ID: N/A

	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
TPH(d)	N/A	7500	N/A	N/A	N/A	93	91.7	1.38	70	130
%SS:	N/A	100	N/A	N/A	N/A	96.3	94.7	1.68	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

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.

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110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
http://www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW8021B

Matrix: W WorkOrder: 0401089

EPA Method: SW8021B	Extraction: SW5030B	BatchID: 9945	Spiked Sample ID: 0401079-010A

	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
Chlorobenzene	ND	10	94	94.4	0.472	96.5	96.2	0.299	70	130
1,1-Dichloroethene	ND	10	99.2	92.6	6.89	101	98.5	2.47	70	130
Trichloroethene	ND	10	85.5	87.7	2.46	94.3	90.3	4.32	70	130
%SS:	85.7	100	94.4	93.3	1.19	97.7	98.8	1.10	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

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.

McCampbell Analytical Inc.
110 Second Avenue South, #D7
Pacheco, CA 94553-5560
(925) 798-1620

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0401089

Report to:
Ron Scheele
Cambria Env. Technology
5900 Hollis St, Suite A
Emeryville, CA 94608
TEL: (510) 420-0700
FAX: (510) 420-3394
ProjectNo: #522-1000-020; John Nady
PO:

Bill to:
Accounts Payable
Cambria Env. Technology
5900 Hollis St, Ste. A
Emeryville, CA 94608

Requested TAT: 5 days
Date Received: 1/9/04
Date Printed: 1/9/04

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
0401089-001	SB-25A	Water	1/8/04 1:00:00 PM	☐	B	A	C												
0401089-002	SB-25C	Water	1/8/04 3:50:00 PM	☐	B	A	C												
0401089-003	SB-17B	Water	1/8/04 4:45:00 PM	☐	B	A	C												

Test Legend:

1 8010B_W	2 G-MBTEX_W	3 TPH(DMO)_W	4	5
6	7	8	9	10
11	12	13	14	15

Prepared by: Melissa Valles

Comments:

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

c 0401084

McCAMPBELL ANALYTICAL INC.

110 2nd AVENUE SOUTH, #D7
PACHECO, CA 94553-5560
Telephone: (925) 798-1620 Fax: (925) 798-1622

CHAIN OF CUSTODY RECORD

TURN AROUND TIME: ☐ RUSH ☐ 24 HOUR ☐ 48 HOUR ☒ 5 DAY

EDF Required? ☐ Yes ☒ No

Report To: Matt Meyers Bill To: Cambria
Company: Cambria Environmental Technology, Inc.
5900 Hollis Street, Suite A
Emeryville, Ca 94608 E-mail: mmeyers@cambria-env.com
Tele: (510) 420-3314 Fax: (510) 420-9170
Project #:522-1000-020 Project Name: John Nady
Project Location: 1137-1167 65th Street, Oakland
Sampler Signature: [signature]

	SAMPLE ID (Field Point Name)	LOCATION	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	Soil	Air	Sludge	Other	METHOD PRESERVED Ice	HCl	HNO_3	Other	BTEX and MTBE by EPA 8015	TPHg/ss/d/mo by EPA 8015	VOCs by EPA 8010	Other	Comments
+25	SB-25A		1/8/04	1pm	7	Amber Voas	X					X	X			X	X	X		
+10	SB-25C		↓	3:50	7	Amber Voas	X					X	X			X	X	X		
+5	SB-17B		↓	4:45	7	Amber Voas	X					X	X			X	X	X		

Relinquished By:	Date:	Time:	Received By:
[signature]	1/8/04	5:30pm	'Secured Location'
[signature]	1/9/04	1pm	[illegible] #280
[illegible] #280	1/9	14:30	[signature]

Remarks:
Lowest possible detection limits.
Please email results.

ICE/t° ✓
GOOD CONDITION ✓
HEAD SPACE ABSENT ✓
DECHLORINATED IN LAB ___
APPROPRIATE CONTAINERS ✓
PRESERVED IN LAB ___
PRESERVATION VOAS ✓ | O&G | METALS | OTHER

McCampbell Analytical Inc.
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http://www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology 5900 Hollis St, Suite A Emeryville, CA 94608	Client Project ID: #522-1000-020; John Nady	Date Sampled: 01/08/04
		Date Received: 01/09/04
	Client Contact: Matt Meyers	Date Reported: 01/15/04
	Client P.O.:	Date Completed: 01/15/04

WorkOrder: 0401088

January 15, 2004

Dear Matt:

Enclosed are:

1). the results of **5** analyzed samples from your **#522-1000-020; John Nady project,**

2). a QC report for the above samples

3). a copy of the chain of custody, and

4). a bill 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 please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Yours truly,

Angela Rydelius, Lab Manager

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Cambria Env. Technology	Client Project ID: #522-1000-020; John Nady	Date Sampled: 01/08/04
5900 Hollis St, Suite A		Date Received: 01/09/04
Emeryville, CA 94608	Client Contact: Matt Meyers	Date Extracted: 01/09/04
	Client P.O.:	Date Analyzed: 01/10/04

Gasoline Range (C6-C12), Stoddard Solvent Range (C9-C12) Volatile Hydrocarbons with BTEX and MTBE*

Extraction Method: SW5030B | Analytical Method: SW8021B/8015Cm | Work Order: 0401088

Lab ID	0401088-001A	0401088-002A	0401088-003A	0401088-004A	Reporting Limit for DF =1	
Client ID	SB-17@3.5	SB-17@7.5	SB-17@11.5	SB-17@17.5		
Matrix	S	S	S	S		
DF	1	1	1	1	S	W
Compound	**Concentration**				mg/Kg	ug/L
TPH(g)	ND	ND	ND	ND	1.0	NA
TPH(ss)	ND	ND	ND	ND	1.0	NA
MTBE	ND	ND	ND	ND	0.05	NA
Benzene	ND	ND	ND	ND	0.005	NA
Toluene	ND	ND	ND	ND	0.005	NA
Ethylbenzene	ND	ND	ND	ND	0.005	NA
Xylenes	ND	ND	ND	ND	0.005	NA
Surrogate Recoveries (%)						
%SS:	94.4	90.8	101	94.1		
Comments						

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

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

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http://www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology 5900 Hollis St, Suite A Emeryville, CA 94608	Client Project ID: #522-1000-020; John Nady	Date Sampled: 01/08/04
		Date Received: 01/09/04
	Client Contact: Matt Meyers	Date Extracted: 01/09/04
	Client P.O.:	Date Analyzed: 01/10/04

Gasoline Range (C6-C12), Stoddard Solvent Range (C9-C12) Volatile Hydrocarbons with BTEX and MTBE*

Extraction Method: SW5030B | Analytical Method: SW8021B/8015Cm | Work Order: 0401088

					Reporting Limit for DF =1	
Lab ID	0401088-005A					
Client ID	SB-17@20					
Matrix	S					
DF	1				S	W
Compound	**Concentration**				mg/Kg	ug/L
TPH(g)	ND				1.0	NA
TPH(ss)	ND				1.0	NA
MTBE	ND				0.05	NA
Benzene	ND				0.005	NA
Toluene	ND				0.005	NA
Ethylbenzene	ND				0.005	NA
Xylenes	ND				0.005	NA
Surrogate Recoveries (%)						
%SS:	97.9					
Comments						

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

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern.

DHS Certification No. 1644

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Cambria Env. Technology	Client Project ID: #522-1000-020; John Nady	Date Sampled: 01/08/04
5900 Hollis St, Suite A		Date Received: 01/09/04
Emeryville, CA 94608	Client Contact: Matt Meyers	Date Extracted: 01/09/04
	Client P.O.:	Date Analyzed: 01/09/04

Diesel (C10-23) and Oil (C18+) Range Extractable Hydrocarbons as Diesel and Motor Oil*

Extraction method: SW3550C Analytical methods: SW8015C Work Order: 0401088

Lab ID	Client ID	Matrix	TPH(d)	TPH(mo)	DF	% SS
0401088-001A	SB-17@3.5	S	110,g,b	210	20	116
0401088-002A	SB-17@7.5	S	ND	ND	1	107
0401088-003A	SB-17@11.5	S	ND	ND	1	105
0401088-004A	SB-17@17.5	S	ND	ND	1	110
0401088-005A	SB-17@20	S	1.4,g	5.5	1	110

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	ug/L
	S	1.0	5.0	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.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant); d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel; f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit.

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Cambria Env. Technology	Client Project ID: #522-1000-020; John Nady	Date Sampled: 01/08/04
5900 Hollis St, Suite A		Date Received: 01/09/04
Emeryville, CA 94608	Client Contact: Matt Meyers	Date Extracted: 01/09/04
	Client P.O.:	Date Analyzed: 01/10/04-01/13/04

Halogenated Volatile Organics by P&T and GC-ELCD (8010 Basic Target List)*

Extraction Method: SW5030 Analytical Method: SW8021B Work Order: 0401088

Lab ID	0401088-001A	0401088-002A	0401088-003A	0401088-004A	Reporting Limit for DF =1	
Client ID	SB-17@3.5	SB-17@7.5	SB-17@11.5	SB-17@17.5		
Matrix	S	S	S	S		
DF	1	1	1	2	S	W
Compound	**Concentration**				µg/Kg	µg/L
Bromodichloromethane	ND	ND	ND	ND<10	5.0	NA
Bromoform	ND	ND	ND	ND<10	5.0	NA
Bromomethane	ND	ND	ND	ND<10	5.0	NA
Carbon Tetrachloride	ND	ND	ND	ND<10	5.0	NA
Chlorobenzene	ND	ND	ND	ND<10	5.0	NA
Chloroethane	ND	ND	ND	ND<10	5.0	NA
2-Chloroethyl vinyl ether	ND	ND	ND	ND<10	5.0	NA
Chloroform	ND	ND	ND	ND<10	5.0	NA
Chloromethane	ND	ND	ND	ND<10	5.0	NA
Dibromochloromethane	ND	ND	ND	ND<10	5.0	NA
1,2-Dichlorobenzene	ND	ND	ND	ND<10	5.0	NA
1,3-Dichlorobenzene	ND	ND	ND	ND<10	5.0	NA
1,4-Dichlorobenzene	ND	ND	ND	ND<10	5.0	NA
Dichlorodifluoromethane	ND	ND	ND	ND<10	5.0	NA
1,1-Dichloroethane	ND	ND	ND	ND<10	5.0	NA
1,2-Dichloroethane	ND	ND	ND	ND<10	5.0	NA
1,1-Dichloroethene	ND	ND	ND	ND<10	5.0	NA
cis-1,2-Dichloroethene	ND	8.3	180	170	5.0	NA
trans-1,2-Dichloroethene	ND	ND	ND	ND<10	5.0	NA
1,2-Dichloropropane	ND	ND	7.4	ND<10	5.0	NA
cis-1,3-Dichloropropene	ND	ND	ND	ND<10	5.0	NA
trans-1,3-Dichloropropene	ND	ND	ND	ND<10	5.0	NA
Methylene chloride	ND	ND	ND	ND<10	5.0	NA
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND<10	5.0	NA
Tetrachloroethene	ND	ND	ND	ND<10	5.0	NA
1,1,1-Trichloroethane	ND	ND	ND	ND<10	5.0	NA
1,1,2-Trichloroethane	ND	ND	ND	ND<10	5.0	NA
Trichloroethene	ND	ND	ND	ND<10	5.0	NA
Trichlorofluoromethane	ND	ND	ND	ND<10	5.0	NA
Vinyl Chloride	ND	ND	8.3	ND<10	5.0	NA
Surrogate Recoveries (%)						
%SS:	102	95.0	101	95.7		
Comments						

* 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.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content; k) reporting limit rasied due to insufficient sample amount.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

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Cambria Env. Technology	Client Project ID: #522-1000-020; John Nady	Date Sampled: 01/08/04
5900 Hollis St, Suite A		Date Received: 01/09/04
Emeryville, CA 94608	Client Contact: Matt Meyers	Date Extracted: 01/09/04
	Client P.O.:	Date Analyzed: 01/10/04-01/13/04

Halogenated Volatile Organics by P&T and GC-ELCD (8010 Basic Target List)*

Extraction Method: SW5030 Analytical Method: SW8021B Work Order: 0401088

		Reporting Limit for DF =1	
Lab ID	0401088-005A		
Client ID	SB-17@20		
Matrix	S		
DF	1	S	W

Compound	Concentration	µg/Kg	µg/L
Bromodichloromethane	ND	5.0	NA
Bromoform	ND	5.0	NA
Bromomethane	ND	5.0	NA
Carbon Tetrachloride	ND	5.0	NA
Chlorobenzene	ND	5.0	NA
Chloroethane	ND	5.0	NA
2-Chloroethyl vinyl ether	ND	5.0	NA
Chloroform	ND	5.0	NA
Chloromethane	ND	5.0	NA
Dibromochloromethane	ND	5.0	NA
1,2-Dichlorobenzene	ND	5.0	NA
1,3-Dichlorobenzene	ND	5.0	NA
1,4-Dichlorobenzene	ND	5.0	NA
Dichlorodifluoromethane	ND	5.0	NA
1,1-Dichloroethane	ND	5.0	NA
1,2-Dichloroethane	ND	5.0	NA
1,1-Dichloroethene	ND	5.0	NA
cis-1,2-Dichloroethene	ND	5.0	NA
trans-1,2-Dichloroethene	ND	5.0	NA
1,2-Dichloropropane	ND	5.0	NA
cis-1,3-Dichloropropene	ND	5.0	NA
trans-1,3-Dichloropropene	ND	5.0	NA
Methylene chloride	ND	5.0	NA
1,1,2,2-Tetrachloroethane	ND	5.0	NA
Tetrachloroethene	ND	5.0	NA
1,1,1-Trichloroethane	ND	5.0	NA
1,1,2-Trichloroethane	ND	5.0	NA
Trichloroethene	ND	5.0	NA
Trichlorofluoromethane	ND	5.0	NA
Vinyl Chloride	ND	5.0	NA
Surrogate Recoveries (%)			
%SS:	98.3		
Comments			

* 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.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content; k) reporting limit rasied due to insufficient sample amount.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

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QC SUMMARY REPORT FOR SW8021B/8015Cm

Matrix: S WorkOrder: 0401088

EPA Method: SW8021B/8015Cm Extraction: SW5030B BatchID: 9949 Spiked Sample ID: 0401080-003A

	Sample	Spiked	MS*	MSD*	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
TPH(btex)£	ND	0.60	115	98.7	15.0	101	100	1.34	70	130
MTBE	ND	0.10	108	97	10.8	95.7	94.2	1.56	70	130
Benzene	ND	0.10	112	102	9.73	103	97.9	4.58	70	130
Toluene	ND	0.10	93.7	89.8	4.31	91.6	87.8	4.15	70	130
Ethylbenzene	ND	0.10	110	106	3.11	109	106	3.44	70	130
Xylenes	ND	0.30	100	100	0	100	99.7	0.334	70	130
%SS:	98.9	100	117	109	7.08	105	114	8.22	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

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.

£ 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 = 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.

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QC SUMMARY REPORT FOR SW8015C

Matrix: S WorkOrder: 0401088

EPA Method: SW8015C	Extraction: SW3550C	BatchID: 9948	Spiked Sample ID: 0401080-003A

	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
TPH(d)	13.57	150	98.5	98.7	0.186	91.5	92.7	1.30	70	130
%SS:	104	100	98.1	94.9	3.28	95.4	95.3	0.161	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

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.

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QC SUMMARY REPORT FOR SW8021B

Matrix: S WorkOrder: 0401088

EPA Method: SW8021B	Extraction: SW5030			BatchID: 9947		Spiked Sample ID: 0401080-003A				
	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/Kg	µg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
Chlorobenzene	ND	50	86.9	73.8	16.4	81.6	82.6	1.22	70	130
1,1-Dichloroethene	ND	50	110	101	8.57	86.4	90.3	4.43	70	130
Trichloroethene	ND	50	96.4	77.6	21.7	78.7	78.9	0.364	70	130
%SS:	102	100	94.2	88.9	5.76	94.7	94.7	0	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

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.

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CHAIN-OF-CUSTODY RECORD

WorkOrder: 0401088

Report to:
Ron Scheele
Cambria Env. Technology
5900 Hollis St, Suite A
Emeryville, CA 94608
TEL: (510) 420-0700
FAX: (510) 420-3394
ProjectNo: #522-1000-020; John Nady
PO:

Bill to:
Accounts Payable
Cambria Env. Technology
5900 Hollis St, Ste. A
Emeryville, CA 94608

Requested TAT: 5 days
Date Received: 1/9/04
Date Printed: 1/9/04

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)														
					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
0401088-001	SB-17@3.5	Soil	1/8/04 2:10:00 PM	☐	A	A	A												
0401088-002	SB-17@7.5	Soil	1/8/04 2:45:00 PM	☐	A	A	A												
0401088-003	SB-17@11.5	Soil	1/8/04 2:50:00 PM	☐	A	A	A												
0401088-004	SB-17@17.5	Soil	1/8/04 3:05:00 PM	☐	A	A	A												
0401088-005	SB-17@20	Soil	1/8/04 3:15:00 PM	☐	A	A	A												

Test Legend:

1	8010B_S	2	G-MBTEX_S	3	TPH(DMO)_S	4		5	
6		7		8		9		10	
11		12		13		14		15	

Prepared by: Maria Venegas

Comments:

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

0401088

CHAIN OF CUSTODY RECORD

McCAMPBELL ANALYTICAL INC.
110 2nd AVENUE SOUTH, #D7
PACHECO, CA 94553-5560
Telephone: (925) 798-1620 Fax: (925) 798-1622

TURN AROUND TIME: ☐ RUSH ☐ 24 HOUR ☐ 48 HOUR ☒ 5 DAY

EDF Required? ☐ Yes ☒ No

Report To: Matt Meyers Bill To: Cambria

Company: Cambria Environmental Technology, Inc.

5900 Hollis Street, Suite A

Emeryville, Ca 94608 E-mail: mmeyers@cambria-env.com

Tele: (510) 420-3314 Fax: (510) 420-9170

Project #:522-1000-020 Project Name: John Nady

Project Location: 1137-1167 65th Street, Oakland

Sampler Signature:

SAMPLE ID (Field Point Name)	LOCATION	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	MATRIX Soil	MATRIX Air	MATRIX Sludge	MATRIX Other	METHOD PRESERVED Ice	METHOD PRESERVED HCl	METHOD PRESERVED HNO_3	METHOD PRESERVED Other	Analysis Request: BTEX and MTBE by EPA 8015	Analysis Request: TPHg/ss/d/mo by EPA 8015	Analysis Request: VOCs by EPA 8010	Other	Comments
SB-17@3.5		1/8/04	2:10	1	TUBE		X				X				X	X	X		
SB-17@7.5		"	2:45	"	"		X				X				X	X	X		
SB-17@11.5		"	2:50	"	"		X				X				X	X	X		
SB-17@17.5		"	3:05	"	"		X				X				X	X	X		
SB-17@20		"	3:15	"	"		X				X				X	X	X		

Relinquished By:	Date:	Time:	Received By:
	1/8/04	5:30pm	SECURED LOCATION
	1/9/04	1pm	
W. TREX #200	1/9	1430	

Remarks:
Lowest possible detection limits.
Please email results.

ICE/T ✓
GOOD CONDITION
HEAD SPACE ABSENT
DECHLORINATED IN LAB
APPROPRIATE CONTAINERS ✓
PRESERVED IN LAB

PRESERVATION	VOAS	O&G	METALS	OTHER

McCampbell Analytical Inc.
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http://www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology 5900 Hollis St, Suite A Emeryville, CA 94608	Client Project ID: #522-1000-020; John Nady	Date Sampled: 01/07/04
		Date Received: 01/08/04
	Client Contact: Matt Meyers	Date Reported: 01/13/04
	Client P.O.:	Date Completed: 01/13/04

WorkOrder: 0401070

January 13, 2004

Dear Matt:

Enclosed are:

1). the results of **2** analyzed samples from your **#522-1000-020; John Nady project,**

2). a QC report for the above samples

3). a copy of the chain of custody, and

4). a bill 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 please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Yours truly,

Angela Rydelius, Lab Manager

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Cambria Env. Technology 5900 Hollis St, Suite A Emeryville, CA 94608	Client Project ID: #522-1000-020; John Nady	Date Sampled: 01/07/04
		Date Received: 01/08/04
	Client Contact: Matt Meyers	Date Extracted: 01/08/04
	Client P.O.:	Date Analyzed: 01/08/04

Gasoline Range (C6-C12) Stoddard Solvent Range (C9-C12) Volatile Hydrocarbons with BTEX & MTBE*

Extraction Method: SW5030B | Analytical Method: SW8021B/8015Cm | Work Order: 0401070

Lab ID	0401070-001A	0401070-002A			Reporting Limit for DF =1	
Client ID	SB-26A	SB-22C				
Matrix	W	W				
DF	10	1			S	W
Compound	**Concentration**				ug/kg	µg/L
TPH(g)	3000	ND			NA	50
TPH(ss)	2600	ND			NA	50
MTBE	ND<50	ND			NA	5.0
Benzene	6.2	ND			NA	0.5
Toluene	ND<5.0	ND			NA	0.5
Ethylbenzene	ND<5.0	ND			NA	0.5
Xylenes	13	ND			NA	0.5
Surrogate Recoveries (%)						
Comments	e,i	i				

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

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

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Cambria Env. Technology	Client Project ID: #522-1000-020; John Nady	Date Sampled: 01/07/04
5900 Hollis St, Suite A		Date Received: 01/08/04
Emeryville, CA 94608	Client Contact: Matt Meyers	Date Extracted: 01/08/04
	Client P.O.:	Date Analyzed: 01/09/04

Diesel (C10-23) and Oil (C18+) Range Extractable Hydrocarbons as Diesel and Motor Oil*

Extraction method: SW3510C Analytical methods: SW8015C Work Order: 0401070

Lab ID	Client ID	Matrix	TPH(d)	TPH(mo)	DF	% SS
0401070-001B	SB-26A	W	5300,d,g,i	1000	1	103
0401070-002B	SB-22C	W	110,b,i	ND	1	102

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.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant); d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel; f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

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Cambria Env. Technology	Client Project ID: #522-1000-020; John Nady	Date Sampled: 01/07/04
5900 Hollis St, Suite A		Date Received: 01/08/04
Emeryville, CA 94608	Client Contact: Matt Meyers	Date Extracted: 01/09/04
	Client P.O.:	Date Analyzed: 01/09/04

Halogenated Volatile Organics by P&T and GC-ELCD (8010 Basic Target List)*

Extraction Method: SW5030B | Analytical Method: SW8021B | Work Order: 0401070

			Reporting Limit for DF =1	
Lab ID	0401070-001C	0401070-002C		
Client ID	SB-26A	SB-22C		
Matrix	W	W		
DF	10	1	S	W
Compound	**Concentration**		µg/kg	µg/L
Bromodichloromethane	ND<5.0	ND	NA	0.5
Bromoform	ND<5.0	ND	NA	0.5
Bromomethane	ND<5.0	ND	NA	0.5
Carbon Tetrachloride	ND<5.0	ND	NA	0.5
Chlorobenzene	ND<5.0	ND	NA	0.5
Chloroethane	ND<5.0	ND	NA	0.5
2-Chloroethyl vinyl ether	ND<5.0	ND	NA	0.5
Chloroform	ND<5.0	ND	NA	0.5
Chloromethane	ND<5.0	ND	NA	0.5
Dibromochloromethane	ND<5.0	ND	NA	0.5
1,2-Dichlorobenzene	ND<5.0	ND	NA	0.5
1,3-Dichlorobenzene	ND<5.0	ND	NA	0.5
1,4-Dichlorobenzene	ND<5.0	ND	NA	0.5
Dichlorodifluoromethane	ND<5.0	ND	NA	0.5
1,1-Dichloroethane	ND<5.0	ND	NA	0.5
1,2-Dichloroethane	ND<5.0	ND	NA	0.5
1,1-Dichloroethene	ND<5.0	ND	NA	0.5
cis-1,2-Dichloroethene	ND<5.0	ND	NA	0.5
trans-1,2-Dichloroethene	ND<5.0	ND	NA	0.5
1,2-Dichloropropane	ND<5.0	ND	NA	0.5
cis-1,3-Dichloropropene	ND<5.0	ND	NA	0.5
trans-1,3-Dichloropropene	ND<5.0	ND	NA	0.5
Methylene chloride	ND<5.0	ND	NA	0.5
1,1,2,2-Tetrachloroethane	ND<5.0	ND	NA	0.5
Tetrachloroethene	ND<5.0	ND	NA	0.5
1,1,1-Trichloroethane	ND<5.0	ND	NA	0.5
1,1,2-Trichloroethane	ND<5.0	ND	NA	0.5
Trichloroethene	ND<5.0	ND	NA	0.5
Trichlorofluoromethane	ND<5.0	ND	NA	0.5
Vinyl Chloride	ND<5.0	ND	NA	0.5
Surrogate Recoveries (%)				
%SS:	110	97.5		
Comments	j,i	i		

* 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.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content; k) reporting limit rasied due to insufficient sample amount.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

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QC SUMMARY REPORT FOR SW8021B/8015Cm

Matrix: W WorkOrder: 0401070

EPA Method: SW8021B/8015Cm Extraction: SW5030B BatchID: 9933 Spiked Sample ID: 0401073-005A

	Sample	Spiked	MS*	MSD*	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
TPH(btex)£	66.45	60	84.7	81.4	1.71	93.3	94.9	1.66	70	130
MTBE	ND	10	118	116	1.44	98.7	101	1.93	70	130
Benzene	ND	10	113	111	2.08	108	109	0.775	70	130
Toluene	ND	10	115	113	1.93	112	110	1.21	70	130
Ethylbenzene	ND	10	115	107	7.38	111	111	0	70	130
Xylenes	1.09	30	116	113	2.82	110	110	0	70	130
%SS:	118	100	112	113	0.562	111	110	0.776	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

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.

£ 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 = 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.

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QC SUMMARY REPORT FOR SW8015C

Matrix: W WorkOrder: 0401070

EPA Method: SW8015C Extraction: SW3510C BatchID: 9928 Spiked Sample ID: N/A

	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
TPH(d)	N/A	7500	N/A	N/A	N/A	99	99.8	0.799	70	130
%SS:	N/A	100	N/A	N/A	N/A	101	100	1.15	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

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.

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QC SUMMARY REPORT FOR SW8021B

Matrix: W WorkOrder: 0401070

EPA Method: SW8021B	Extraction: SW5030B			BatchID: 9915		Spiked Sample ID: 0401029-001B				
	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
Chlorobenzene	ND	10	97.1	96.2	0.872	99.2	102	2.38	70	130
1,1-Dichloroethene	ND	10	105	102	2.76	110	105	4.30	70	130
Trichloroethene	ND	10	90.1	94	4.28	94	89.9	4.47	70	130
%SS:	105	100	105	110	4.62	109	108	1.43	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

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.

McCampbell Analytical Inc.
110 Second Avenue South, #D7
Pacheco, CA 94553-5560
(925) 798-1620

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0401070

Report to:
Ron Scheele
Cambria Env. Technology
5900 Hollis St, Suite A
Emeryville, CA 94608

TEL: (510) 420-0700
FAX: (510) 420-3394
ProjectNo: #522-1000-020; John Nady
PO:

Bill to:
Accounts Payable
Cambria Env. Technology
5900 Hollis St, Ste. A
Emeryville, CA 94608

Requested TAT: 5 days
Date Received: 1/8/04
Date Printed: 1/8/04

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)														
					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
0401070-001	SB-26A	Water	1/7/04 10:10:00 AM	☐	C	A	B												
0401070-002	SB-22C	Water	1/7/04 4:20:00 PM	☐	C	A	B												

Test Legend:

1	8010B_W	2	G-MBTEX_W	3	TPH(DMO)_W	4		5	
6		7		8		9		10	
11		12		13		14		15	

Prepared by: Melissa Valles

Comments:

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

McCAMPBELL ANALYTICAL INC.

110 2nd AVENUE SOUTH, #D7
PACHECO, CA 94553-5560
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CHAIN OF CUSTODY RECORD

TURN AROUND TIME: ☐ RUSH ☐ 24 HOUR ☐ 48 HOUR ☒ 5 DAY

EDF Required? ☐ Yes ☒ No

Report To: Matt Meyers Bill To: Cambria

Company: Cambria Environmental Technology, Inc.

5900 Hollis Street, Suite A

Emeryville, Ca 94608 E-mail: mmeyers@cambria-env.com

Tele: (510) 420-3314 Fax: (510) 420-9170

Project #:522-1000-020 Project Name: John Nady

Project Location: 1137-1167 65th Street, Oakland

Sampler Signature:

SAMPLE ID (Field Point Name)	LOCATION	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	MATRIX Soil	MATRIX Air	MATRIX Sludge	MATRIX Other	METHOD PRESERVED Ice	METHOD PRESERVED HCl	METHOD PRESERVED HNO_3	METHOD PRESERVED Other	Analysis Request: BTEX and MTBE by EPA 8015	Analysis Request: TPHg/ss/d/mo by EPA 8015	Analysis Request: VOCs by EPA 8010	Other	Comments
+20 SB-26A		1/7/04	10:10	7	VOAS Amber	X					X	X			X	X	X		
+20 SB-22C		1/7/04	4:20	7	VOAS Amber	X					X	X			X	X	X		

Relinquished By:	Date:	Time:	Received By:
	1/7/04	5pm	SECURE LOCATION
	1/8	9:15	UPS FEX #280
UPS FEX #28	1/8	14:00	

Remarks:
Lowest possible detection limits.
Please email results.

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

PRESERVATION	VOAS	O&G	METALS	OTHER

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Cambria Env. Technology 5900 Hollis St, Suite A Emeryville, CA 94608	Client Project ID: #522-1000-020; John Nady	Date Sampled: 01/07/04
		Date Received: 01/08/04
	Client Contact: Matt Meyers	Date Reported: 01/13/04
	Client P.O.:	Date Completed: 01/13/04

WorkOrder: 0401069

January 13, 2004

Dear Matt:

Enclosed are:

1). the results of **5** analyzed samples from your **#522-1000-020; John Nady project,**

2). a QC report for the above samples

3). a copy of the chain of custody, and

4). a bill 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 please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Yours truly,

Angela Rydelius, Lab Manager

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Cambria Env. Technology	Client Project ID: #522-1000-020; John Nady	Date Sampled: 01/07/04
5900 Hollis St, Suite A		Date Received: 01/08/04
Emeryville, CA 94608	Client Contact: Matt Meyers	Date Extracted: 01/08/04
	Client P.O.:	Date Analyzed: 01/09/04

Gasoline Range (C6-C12) Stoddard Solvent Range (C9-C12) Volatile Hydrocarbons with BTEX & MTBE*

Extraction Method: SW5030B | Analytical Method: SW8021B/8015Cm | Work Order: 0401069

Lab ID	0401069-001A	0401069-002A	0401069-003A	0401069-004A	Reporting Limit for DF =1	
Client ID	SB-26@7.5	SB-26@11.5	SB-22@3.0	SB-22@6.0		
Matrix	S	S	S	S		
DF	40	40	1	40	S	W
Compound	**Concentration**				mg/Kg	ug/L
TPH(g)	240	180	ND	410	1.0	NA
TPH(ss)	220	98	ND	220	1.0	NA
MTBE	ND<2.0	ND<2.0	ND	ND<2.0	0.05	NA
Benzene	ND<0.20	ND<0.20	ND	ND<0.20	0.005	NA
Toluene	ND<0.20	ND<0.20	ND	ND<0.20	0.005	NA
Ethylbenzene	ND<0.20	ND<0.20	ND	ND<0.20	0.005	NA
Xylenes	ND<0.20	0.33	ND	0.67	0.005	NA
Surrogate Recoveries (%)						
%SS:	98.2	94.4	90.8	83.2		
Comments	e	e		e		

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

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern.

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http://www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology	Client Project ID: #522-1000-020; John Nady	Date Sampled: 01/07/04
5900 Hollis St, Suite A		Date Received: 01/08/04
Emeryville, CA 94608	Client Contact: Matt Meyers	Date Extracted: 01/08/04
	Client P.O.:	Date Analyzed: 01/09/04

Gasoline Range (C6-C12) Stoddard Solvent Range (C9-C12) Volatile Hydrocarbons with BTEX & MTBE*

Extraction Method: SW5030B | Analytical Method: SW8021B/8015Cm | Work Order: 0401069

					Reporting Limit for DF =1	
Lab ID	0401069-005A					
Client ID	SB-22@9.0					
Matrix	S					
DF	40				S	W
Compound	**Concentration**				mg/Kg	ug/L
TPH(g)	400				1.0	NA
TPH(ss)	220				1.0	NA
MTBE	ND<2.0				0.05	NA
Benzene	ND<0.20				0.005	NA
Toluene	ND<0.20				0.005	NA
Ethylbenzene	ND<0.20				0.005	NA
Xylenes	0.77				0.005	NA
Surrogate Recoveries (%)						
%SS:	83.3					
Comments	e					

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

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

McCampbell Analytical Inc.
110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
http://www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology	Client Project ID: #522-1000-020; John Nady	Date Sampled: 01/07/04
5900 Hollis St, Suite A		Date Received: 01/08/04
Emeryville, CA 94608	Client Contact: Matt Meyers	Date Extracted: 01/08/04
	Client P.O.:	Date Analyzed: 01/08/04-01/09/04

Diesel (C10-23) and Oil (C18+) Range Extractable Hydrocarbons as Diesel and Motor Oil*

Extraction method: SW3550C Analytical methods: SW8015C Work Order: 0401069

Lab ID	Client ID	Matrix	TPH(d)	TPH(mo)	DF	% SS
0401069-001A	SB-26@7.5	S	150,d,b	6.8	1	102
0401069-002A	SB-26@11.5	S	67,d,b	ND	1	114
0401069-003A	SB-22@3.0	S	1.1,b	ND	1	110
0401069-004A	SB-22@6.0	S	230,d,b,g	11	1	99.6
0401069-005A	SB-22@9.0	S	150,d,b	6.7	1	102

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	ug/L
	S	1.0	5.0	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.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant); d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel; f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit.

DHS Certification No. 1644

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Cambria Env. Technology	Client Project ID: #522-1000-020; John Nady	Date Sampled: 01/07/04
5900 Hollis St, Suite A		Date Received: 01/08/04
Emeryville, CA 94608	Client Contact: Matt Meyers	Date Extracted: 01/08/04
	Client P.O.:	Date Analyzed: 01/09/04

Halogenated Volatile Organics by P&T and GC-ELCD (8010 Basic Target List)*

Extraction Method: SW5030 Analytical Method: SW8021B Work Order: 0401069

Lab ID	0401069-001A	0401069-002A	0401069-003A	0401069-004A	Reporting Limit for DF =1	
Client ID	SB-26@7.5	SB-26@11.5	SB-22@3.0	SB-22@6.0		
Matrix	S	S	S	S		
DF	20	10	1	80	S	W
Compound	**Concentration**				µg/Kg	µg/L
Bromodichloromethane	ND<100	ND<50	ND	ND<400	5.0	NA
Bromoform	ND<100	ND<50	ND	ND<400	5.0	NA
Bromomethane	ND<100	ND<50	ND	ND<400	5.0	NA
Carbon Tetrachloride	ND<100	ND<50	ND	ND<400	5.0	NA
Chlorobenzene	ND<100	ND<50	ND	ND<400	5.0	NA
Chloroethane	ND<100	ND<50	ND	ND<400	5.0	NA
2-Chloroethyl vinyl ether	ND<100	ND<50	ND	ND<400	5.0	NA
Chloroform	ND<100	ND<50	ND	ND<400	5.0	NA
Chloromethane	ND<100	ND<50	ND	ND<400	5.0	NA
Dibromochloromethane	ND<100	ND<50	ND	ND<400	5.0	NA
1,2-Dichlorobenzene	ND<100	ND<50	ND	ND<400	5.0	NA
1,3-Dichlorobenzene	ND<100	ND<50	ND	ND<400	5.0	NA
1,4-Dichlorobenzene	ND<100	ND<50	ND	ND<400	5.0	NA
Dichlorodifluoromethane	ND<100	ND<50	ND	ND<400	5.0	NA
1,1-Dichloroethane	ND<100	ND<50	ND	ND<400	5.0	NA
1,2-Dichloroethane	ND<100	ND<50	ND	ND<400	5.0	NA
1,1-Dichloroethene	ND<100	ND<50	ND	ND<400	5.0	NA
cis-1,2-Dichloroethene	ND<100	ND<50	ND	ND<400	5.0	NA
trans-1,2-Dichloroethene	ND<100	ND<50	ND	ND<400	5.0	NA
1,2-Dichloropropane	ND<100	ND<50	ND	ND<400	5.0	NA
cis-1,3-Dichloropropene	ND<100	ND<50	ND	ND<400	5.0	NA
trans-1,3-Dichloropropene	ND<100	ND<50	ND	ND<400	5.0	NA
Methylene chloride	ND<100	ND<50	ND	ND<400	5.0	NA
1,1,2,2-Tetrachloroethane	ND<100	ND<50	ND	ND<400	5.0	NA
Tetrachloroethene	ND<100	ND<50	ND	ND<400	5.0	NA
1,1,1-Trichloroethane	ND<100	ND<50	ND	ND<400	5.0	NA
1,1,2-Trichloroethane	ND<100	ND<50	ND	ND<400	5.0	NA
Trichloroethene	ND<100	ND<50	ND	ND<400	5.0	NA
Trichlorofluoromethane	ND<100	ND<50	ND	ND<400	5.0	NA
Vinyl Chloride	ND<100	ND<50	ND	ND<400	5.0	NA
Surrogate Recoveries (%)						
%SS:	105	106	106	104		
Comments	j	j		j		

* 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.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content; k) reporting limit rasied due to insufficient sample amount.

DHS Certification No. 1644

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Cambria Env. Technology	Client Project ID: #522-1000-020; John Nady	Date Sampled: 01/07/04
5900 Hollis St, Suite A		Date Received: 01/08/04
Emeryville, CA 94608	Client Contact: Matt Meyers	Date Extracted: 01/08/04
	Client P.O.:	Date Analyzed: 01/09/04

Halogenated Volatile Organics by P&T and GC-ELCD (8010 Basic Target List)*

Extraction Method: SW5030 Analytical Method: SW8021B Work Order: 0401069

					Reporting Limit for DF =1	
Lab ID	0401069-005A					
Client ID	SB-22@9.0					
Matrix	S					
DF	20				S	W
Compound	**Concentration**				µg/Kg	µg/L
Bromodichloromethane	ND<100				5.0	NA
Bromoform	ND<100				5.0	NA
Bromomethane	ND<100				5.0	NA
Carbon Tetrachloride	ND<100				5.0	NA
Chlorobenzene	ND<100				5.0	NA
Chloroethane	ND<100				5.0	NA
2-Chloroethyl vinyl ether	ND<100				5.0	NA
Chloroform	ND<100				5.0	NA
Chloromethane	ND<100				5.0	NA
Dibromochloromethane	ND<100				5.0	NA
1,2-Dichlorobenzene	ND<100				5.0	NA
1,3-Dichlorobenzene	ND<100				5.0	NA
1,4-Dichlorobenzene	ND<100				5.0	NA
Dichlorodifluoromethane	ND<100				5.0	NA
1,1-Dichloroethane	ND<100				5.0	NA
1,2-Dichloroethane	ND<100				5.0	NA
1,1-Dichloroethene	ND<100				5.0	NA
cis-1,2-Dichloroethene	ND<100				5.0	NA
trans-1,2-Dichloroethene	ND<100				5.0	NA
1,2-Dichloropropane	ND<100				5.0	NA
cis-1,3-Dichloropropene	ND<100				5.0	NA
trans-1,3-Dichloropropene	ND<100				5.0	NA
Methylene chloride	ND<100				5.0	NA
1,1,2,2-Tetrachloroethane	ND<100				5.0	NA
Tetrachloroethene	ND<100				5.0	NA
1,1,1-Trichloroethane	ND<100				5.0	NA
1,1,2-Trichloroethane	ND<100				5.0	NA
Trichloroethene	ND<100				5.0	NA
Trichlorofluoromethane	ND<100				5.0	NA
Vinyl Chloride	ND<100				5.0	NA
Surrogate Recoveries (%)						
%SS:	105					
Comments	j					

* 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.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content; k) reporting limit rasied due to insufficient sample amount.

DHS Certification No. 1644

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QC SUMMARY REPORT FOR SW8021B/8015Cm

Matrix: S WorkOrder: 0401069

EPA Method: SW8021B/8015Cm Extraction: SW5030B BatchID: 9930 Spiked Sample ID: 0401054-002A

	Sample	Spiked	MS*	MSD*	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
TPH(btex)£	ND	0.60	109	98.4	9.94	96	100	4.23	70	130
MTBE	ND	0.10	102	94.1	7.83	93.3	94.5	1.28	70	130
Benzene	ND	0.10	103	102	0.782	101	105	3.47	70	130
Toluene	ND	0.10	91.6	87.7	4.30	88.2	93.3	5.56	70	130
Ethylbenzene	ND	0.10	106	105	0.743	103	110	7.13	70	130
Xylenes	0.01	0.30	95	91.3	3.75	96.7	103	6.67	70	130
%SS:	98.0	100	103	100	2.96	111	116	4.41	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

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.

£ 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 = 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.

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QC SUMMARY REPORT FOR SW8015C

Matrix: S WorkOrder: 0401069

EPA Method: SW8015C	Extraction: SW3550C			BatchID: 9939			Spiked Sample ID: 0401065-002A			
	Sample	Spiked	MS*	MSD*	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
TPH(d)	ND	150	91.9	89.2	2.94	90.2	92.8	2.79	70	130
%SS:	109	100	97.9	95.1	2.85	95.2	97.8	2.74	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

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.

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QC SUMMARY REPORT FOR SW8021B

Matrix: S WorkOrder: 0401069

EPA Method: SW8021B	Extraction: SW5030		BatchID: 9920			Spiked Sample ID: 0401034-001A				
	Sample	Spiked	MS*	MSD*	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/Kg	µg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
Chlorobenzene	ND	50	84	83.1	1.05	96.6	90.2	6.76	70	130
1,1-Dichloroethene	ND	50	80.4	80.2	0.297	91.2	87.4	4.24	70	130
Trichloroethene	ND	50	75.5	75.4	0.114	85.9	87.5	1.84	70	130
%SS:	120	100	109	108	0.930	105	109	3.39	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

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.

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Pacheco, CA 94553-5560
(925) 798-1620

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0401069

Report to:
Ron Scheele
Cambria Env. Technology
5900 Hollis St, Suite A
Emeryville, CA 94608

TEL: (510) 420-0700
FAX: (510) 420-3394
ProjectNo: #522-1000-020; John Nady
PO:

Bill to:
Accounts Payable
Cambria Env. Technology
5900 Hollis St, Ste. A
Emeryville, CA 94608

Requested TAT: 5 days
Date Received: 1/8/04
Date Printed: 1/8/04

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
0401069-001	SB-26@7.5	Soil	1/7/04 9:45:00 AM	☐	A	A	A												
0401069-002	SB-26@11.5	Soil	1/7/04 9:55:00 AM	☐	A	A	A												
0401069-003	SB-22@3.0	Soil	1/7/04 10:50:00 AM	☐	A	A	A												
0401069-004	SB-22@6.0	Soil	1/7/04 11:45:00 AM	☐	A	A	A												
0401069-005	SB-22@9.0	Soil	1/7/04 11:55:00 AM	☐	A	A	A												

Test Legend:

1	8010B_S	2	G-MBTEX_S	3	TPH(DMO)_S	4		5	
6		7		8		9		10	
11		12		13		14		15	

Prepared by: Melissa Valles

Comments:

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

CHAIN OF CUSTODY RECORD

McCAMPBELL ANALYTICAL INC.
110 2nd AVENUE SOUTH, #D7
PACHECO, CA 94553-5560
Telephone: (925) 798-1620 Fax: (925) 798-1622

TURN AROUND TIME: ☐ RUSH ☐ 24 HOUR ☐ 48 HOUR ☒ 5 DAY

EDF Required? ☐ Yes ☒ No

Report To: Matt Meyers Bill To: Cambria

Company: Cambria Environmental Technology, Inc.

5900 Hollis Street, Suite A

Emeryville, Ca 94608 E-mail: mmeyers@cambria-env.com

Tele: (510) 420-3314 Fax: (510) 420-9170

Project #:522-1000-020 Project Name: John Nady

Project Location: 1137-1167 65th Street, Oakland

Sampler Signature:

SAMPLE ID (Field Point Name)	LOCATION	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	MATRIX Soil	MATRIX Air	MATRIX Sludge	MATRIX Other	METHOD PRESERVED Ice	METHOD PRESERVED HCl	METHOD PRESERVED HNO_3	METHOD PRESERVED Other	Analysis Request: BTEX and MTBE by EPA 8015	Analysis Request: TPHg/ss/d/mo by EPA 8015	Analysis Request: VOCs by EPA 8010	Other	Comments
SB-26@7.5		1/7/04	9:45	1	TUBE		X				X				X	X	X		
SB-26@11.5		"	9:55	"	"		"				"				"	"	"		
SB-22@3.0		"	10:50	"	"		"				"				"	"	"		
SB-22@6.0		"	11:45	"	"		"				"				"	"	"		
SB-22@9.0		↓	11:55	↓	↓		↓				↓				↓	↓	↓		

Relinquished By:	Date:	Time:	Received By:
	1/7/04	5pm	SECURED LOCATION
Relinquished By:	Date: 1/8	Time: 9:15	Received By: UPS EX #280
Relinquished By: UPS EX #280	Date: 1/8	Time: 14:00	Received By:

Remarks:
Lowest possible detection limits.
Please email results.

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

PRESERVATION	VOAS	O&G	METALS	OTHER

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http://www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology 5900 Hollis St, Suite A Emeryville, CA 94608	Client Project ID: #522-1000-020; John Nady	Date Sampled: 01/06/04
		Date Received: 01/07/04
	Client Contact: Matt Meyers	Date Reported: 01/13/04
	Client P.O.:	Date Completed: 01/13/04

WorkOrder: 0401049

January 13, 2004

Dear Matt:

Enclosed are:

1). the results of **1** analyzed sample from your **#522-1000-020; John Nady project,**

2). a QC report for the above sample

3). a copy of the chain of custody, and

4). a bill 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 please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Yours truly,

Angela Rydelius, Lab Manager

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Cambria Env. Technology	Client Project ID: #522-1000-020; John Nady	Date Sampled: 01/06/04
5900 Hollis St, Suite A		Date Received: 01/07/04
Emeryville, CA 94608	Client Contact: Matt Meyers	Date Extracted: 01/08/04
	Client P.O.:	Date Analyzed: 01/08/04

Gasoline Range (C6-C12), Stoddard Solvent Range (C9-C12) Volatile Hydrocarbons with BTEX and MTBE*

Extraction Method: SW5030B | Analytical Method: SW8021B/8015Cm | Work Order: 0401049

					Reporting Limit for DF =1	
Lab ID	0401049-001A					
Client ID	SB-18A					
Matrix	W					
DF	10				S	W
Compound	**Concentration**				ug/kg	µg/L
TPH(g)	3900				NA	50
TPH(ss)	2100				NA	50
MTBE	ND<50				NA	5.0
Benzene	ND<5.0				NA	0.5
Toluene	ND<5.0				NA	0.5
Ethylbenzene	ND<5.0				NA	0.5
Xylenes	11				NA	0.5
Surrogate Recoveries (%)						
%SS:	83.7					
Comments	e,h					

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

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

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Cambria Env. Technology 5900 Hollis St, Suite A Emeryville, CA 94608	Client Project ID: #522-1000-020; John Nady	Date Sampled: 01/06/04 Date Received: 01/07/04
	Client Contact: Matt Meyers	Date Extracted: 01/07/04
	Client P.O.:	Date Analyzed: 01/08/04

Diesel (C10-23) and Oil (C18+) Range Extractable Hydrocarbons as Diesel and Motor Oil*

Extraction method: SW3510C Analytical methods: SW8015C Work Order: 0401049

Lab ID	Client ID	Matrix	TPH(d)	TPH(mo)	DF	% SS
0401049-001B	SB-18A	W	11,000,d,h	ND<2500	10	107

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.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant); d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel; f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

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http://www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology	Client Project ID: #522-1000-020; John Nady	Date Sampled: 01/06/04
5900 Hollis St, Suite A		Date Received: 01/07/04
Emeryville, CA 94608	Client Contact: Matt Meyers	Date Extracted: 01/08/04
	Client P.O.:	Date Analyzed: 01/08/04

Halogenated Volatile Organics by P&T and GC-ELCD (8010 Basic Target List)*

Extraction Method: SW5030B | Analytical Method: SW8021B | Work Order: 0401049

		Reporting Limit for DF =1	
Lab ID	0401049-001C		
Client ID	SB-18A		
Matrix	W	S	W
DF	5	µg/kg	µg/L

Compound	Concentration					
Bromodichloromethane	ND<2.5				NA	0.5
Bromoform	ND<2.5				NA	0.5
Bromomethane	ND<2.5				NA	0.5
Carbon Tetrachloride	ND<2.5				NA	0.5
Chlorobenzene	ND<2.5				NA	0.5
Chloroethane	ND<2.5				NA	0.5
2-Chloroethyl vinyl ether	ND<2.5				NA	0.5
Chloroform	ND<2.5				NA	0.5
Chloromethane	ND<2.5				NA	0.5
Dibromochloromethane	ND<2.5				NA	0.5
1,2-Dichlorobenzene	ND<2.5				NA	0.5
1,3-Dichlorobenzene	ND<2.5				NA	0.5
1,4-Dichlorobenzene	ND<2.5				NA	0.5
Dichlorodifluoromethane	ND<2.5				NA	0.5
1,1-Dichloroethane	ND<2.5				NA	0.5
1,2-Dichloroethane	ND<2.5				NA	0.5
1,1-Dichloroethene	ND<2.5				NA	0.5
cis-1,2-Dichloroethene	ND<2.5				NA	0.5
trans-1,2-Dichloroethene	ND<2.5				NA	0.5
1,2-Dichloropropane	ND<2.5				NA	0.5
cis-1,3-Dichloropropene	ND<2.5				NA	0.5
trans-1,3-Dichloropropene	ND<2.5				NA	0.5
Methylene chloride	ND<2.5				NA	0.5
1,1,2,2-Tetrachloroethane	ND<2.5				NA	0.5
Tetrachloroethene	ND<2.5				NA	0.5
1,1,1-Trichloroethane	ND<2.5				NA	0.5
1,1,2-Trichloroethane	ND<2.5				NA	0.5
Trichloroethene	ND<2.5				NA	0.5
Trichlorofluoromethane	ND<2.5				NA	0.5
Vinyl Chloride	ND<2.5				NA	0.5
Surrogate Recoveries (%)						
%SS:	101					
Comments	j,h					

* 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.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content; k) reporting limit rasied due to insufficient sample amount.

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QC SUMMARY REPORT FOR SW8021B/8015Cm

Matrix: W WorkOrder: 0401049

EPA Method: SW8021B/8015Cm Extraction: SW5030B BatchID: 9929 Spiked Sample ID: 0401055-001A

	Sample	Spiked	MS*	MSD*	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
TPH(btex)£	ND	60	107	104	2.85	90.8	97.7	7.25	70	130
MTBE	ND	10	100	100	0	105	110	4.53	70	130
Benzene	ND	10	101	86	16.5	104	104	0	70	130
Toluene	ND	10	111	96.3	13.7	108	109	1.03	70	130
Ethylbenzene	ND	10	104	93.8	10.7	108	108	0	70	130
Xylenes	1.85	30	110	107	2.90	110	110	0	70	130
%SS:	100	100	104	97.1	6.40	109	110	0.782	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

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.

£ 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 = 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.

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QC SUMMARY REPORT FOR SW8015C

Matrix: W WorkOrder: 0401049

EPA Method: SW8015C Extraction: SW3510C BatchID: 9928 Spiked Sample ID: N/A

	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
TPH(d)	N/A	7500	N/A	N/A	N/A	99	99.8	0.799	70	130
%SS:	N/A	100	N/A	N/A	N/A	101	100	1.15	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

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.

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QC SUMMARY REPORT FOR SW8021B

Matrix: W WorkOrder: 0401049

EPA Method: SW8021B Extraction: SW5030B BatchID: 9915 Spiked Sample ID: 0401029-001B

	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
Chlorobenzene	ND	10	97.1	96.2	0.872	99.2	102	2.38	70	130
1,1-Dichloroethene	ND	10	105	102	2.76	110	105	4.30	70	130
Trichloroethene	ND	10	90.1	94	4.28	94	89.9	4.47	70	130
%SS:	105	100	105	110	4.62	109	108	1.43	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

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.

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CHAIN-OF-CUSTODY RECORD

WorkOrder: 0401049

Report to:
Ron Scheele
Cambria Env. Technology
5900 Hollis St, Suite A
Emeryville, CA 94608

TEL: (510) 420-0700
FAX: (510) 420-3394
ProjectNo: #522-1000-020; John Nady
PO:

Bill to:
Accounts Payable
Cambria Env. Technology
5900 Hollis St, Ste. A
Emeryville, CA 94608

Requested TAT: 5 days
Date Received: 1/7/04
Date Printed: 1/7/04

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)														
					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
0401049-001	SB-18A	Water	1/6/04 1:45:00 PM	☐	C	A	B												

Test Legend:

1	8010B_W	2	G-MBTEX_W	3	TPH(DMO)_W	4		5	
6		7		8		9		10	
11		12		13		14		15	

Prepared by: Maria Venegas

Comments:

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

0401049

CHAIN OF CUSTODY RECORD

McCAMPBELL ANALYTICAL INC.
110 2nd AVENUE SOUTH, #D7
PACHECO, CA 94553-5560
Telephone: (925) 798-1620 Fax: (925) 798-1622

TURN AROUND TIME: ☐ RUSH ☐ 24 HOUR ☐ 48 HOUR ☒ 5 DAY

EDF Required? ☐ Yes ☒ No

Report To: Matt Meyers	Bill To: Cambria
Company: Cambria Environmental Technology, Inc.	
5900 Hollis Street, Suite A	
Emeryville, Ca 94608	E-mail: mmeyers@cambria-env.com
Tele: (510) 420-3314	Fax: (510) 420-9170
Project #:522-1000-020	Project Name: John Nady
Project Location: 1137-1167 65th Street, Oakland	
Sampler Signature:	

SAMPLE ID (Field Point Name)	LOCATION	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	Soil	Air	Sludge	Other	METHOD PRESERVED Ice	HCl	HNO_3	Other	Analysis Request: BTEX and MTBE by EPA 8015	TPHg/ss/d/mo by EPA 8015	VOCs by EPA 8010	Other	Comments
5 SB-18A		1/6/04	1:45	7	VOAs Amber	X					X	X			X	X	X		

Relinquished By:	Date: 1/6/04	Time: 4pm	Received By: (Signature) Location
Relinquished By:	Date: 1/7	Time: 11:45	Received By: UPS #280
Relinquished By: UPS #280	Date: 1/7	Time: 13:40	Received By:

Remarks:
Lowest possible detection limits.
Please email results.

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

PRESERVATION	VOAS	O&G	METALS	OTHER
	✓			

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Cambria Env. Technology 5900 Hollis St, Suite A Emeryville, CA 94608	Client Project ID: #522-1000-020; John Nady	Date Sampled: 01/06/04
		Date Received: 01/07/04
	Client Contact: Matt Meyers	Date Reported: 01/13/04
	Client P.O.:	Date Completed: 01/13/04

WorkOrder: 0401048

January 13, 2004

Dear Matt:

Enclosed are:

1). the results of **7** analyzed samples from your **#522-1000-020; John Nady project,**

2). a QC report for the above samples

3). a copy of the chain of custody, and

4). a bill 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 please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Yours truly,

Angela Rydelius, Lab Manager

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Cambria Env. Technology	Client Project ID: #522-1000-020; John Nady	Date Sampled: 01/06/04
5900 Hollis St, Suite A		Date Received: 01/07/04
Emeryville, CA 94608	Client Contact: Matt Meyers	Date Extracted: 01/07/04
	Client P.O.:	Date Analyzed: 01/07/04-01/09/04

Gasoline Range (C6-C12) Stoddard Solvent Range (C9-C12) Volatile Hydrocarbons with BTEX & MTBE*

Extraction Method: SW5030B | Analytical Method: SW8021B/8015Cm | Work Order: 0401048

Lab ID	0401048-001A	0401048-002A	0401048-003A	0401048-004A	Reporting Limit for DF =1	
Client ID	SB-23@3	SB-23@6	SB-23@9	SB-18@3.5		
Matrix	S	S	S	S		
DF	1	1	1	1	S	W
Compound	**Concentration**				mg/Kg	ug/L
TPH(g)	ND	ND	ND	ND	1.0	NA
TPH(ss)	ND	ND	ND	ND	1.0	NA
MTBE	ND	ND	ND	ND	0.05	NA
Benzene	ND	ND	ND	ND	0.005	NA
Toluene	ND	ND	ND	ND	0.005	NA
Ethylbenzene	ND	ND	ND	ND	0.005	NA
Xylenes	ND	ND	ND	ND	0.005	NA
Surrogate Recoveries (%)						
%SS:	90.6	91.5	93.3	96.3		
Comments						

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

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

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Cambria Env. Technology	Client Project ID: #522-1000-020; John Nady	Date Sampled: 01/06/04
5900 Hollis St, Suite A		Date Received: 01/07/04
Emeryville, CA 94608	Client Contact: Matt Meyers	Date Extracted: 01/07/04
	Client P.O.:	Date Analyzed: 01/07/04-01/09/04

Gasoline Range (C6-C12) Stoddard Solvent Range (C9-C12) Volatile Hydrocarbons with BTEX & MTBE*

Extraction Method: SW5030B | Analytical Method: SW8021B/8015Cm | Work Order: 0401048

Lab ID	0401048-005A	0401048-006A	0401048-007A		Reporting Limit for DF =1	
Client ID	SB-18@7.5	SB-18@11.5	SB-18@17			
Matrix	S	S	S			
DF	40	1	40		S	W
Compound	**Concentration**				mg/Kg	ug/L
TPH(g)	340	6.2	2600		1.0	NA
TPH(ss)	310	5.7	1600		1.0	NA
MTBE	ND<2.0	ND	ND<2.0		0.05	NA
Benzene	ND<0.20	ND	ND<0.20		0.005	NA
Toluene	ND<0.20	ND	ND<0.20		0.005	NA
Ethylbenzene	0.31	ND	1.1		0.005	NA
Xylenes	1.6	0.015	6.5		0.005	NA
Surrogate Recoveries (%)						
%SS:	84.4	84.8	93.9			
Comments	e	e	e			

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

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern.

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Cambria Env. Technology	Client Project ID: #522-1000-020; John Nady	Date Sampled: 01/06/04
5900 Hollis St, Suite A		Date Received: 01/07/04
Emeryville, CA 94608	Client Contact: Matt Meyers	Date Extracted: 01/07/04
	Client P.O.:	Date Analyzed: 01/07/04-01/08/04

Diesel (C10-23) and Oil (C18+) Range Extractable Hydrocarbons as Diesel and Motor Oil*

Extraction method: SW3550C Analytical methods: SW8015C Work Order: 0401048

Lab ID	Client ID	Matrix	TPH(d)	TPH(mo)	DF	% SS
0401048-001A	SB-23@3	S	ND	ND	1	107
0401048-002A	SB-23@6	S	ND	ND	1	103
0401048-003A	SB-23@9	S	ND	ND	1	105
0401048-004A	SB-18@3.5	S	ND	ND	1	105
0401048-005A	SB-18@7.5	S	230,d,b	ND<50	10	117
0401048-006A	SB-18@11.5	S	8.5,d	ND	1	94.0
0401048-007A	SB-18@17	S	850,d	ND<100	20	103

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	ug/L
	S	1.0	5.0	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.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant); d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel; f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit.

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Cambria Env. Technology	Client Project ID: #522-1000-020; John Nady	Date Sampled: 01/06/04
5900 Hollis St, Suite A		Date Received: 01/07/04
Emeryville, CA 94608	Client Contact: Matt Meyers	Date Extracted: 01/07/04
	Client P.O.:	Date Analyzed: 01/08/04

Halogenated Volatile Organics by P&T and GC-ELCD (8010 Basic Target List)*

Extraction Method: SW5030 Analytical Method: SW8021B Work Order: 0401048

Lab ID	0401048-001A	0401048-002A	0401048-003A	0401048-004A	Reporting Limit for DF =1	
Client ID	SB-23@3	SB-23@6	SB-23@9	SB-18@3.5		
Matrix	S	S	S	S		
DF	1	1	1	1	S	W
Compound	**Concentration**				µg/Kg	µg/L
Bromodichloromethane	ND	ND	ND	ND	5.0	NA
Bromoform	ND	ND	ND	ND	5.0	NA
Bromomethane	ND	ND	ND	ND	5.0	NA
Carbon Tetrachloride	ND	ND	ND	ND	5.0	NA
Chlorobenzene	ND	ND	ND	ND	5.0	NA
Chloroethane	ND	ND	ND	ND	5.0	NA
2-Chloroethyl vinyl ether	ND	ND	ND	ND	5.0	NA
Chloroform	ND	ND	ND	ND	5.0	NA
Chloromethane	ND	ND	ND	ND	5.0	NA
Dibromochloromethane	ND	ND	ND	ND	5.0	NA
1,2-Dichlorobenzene	ND	ND	ND	ND	5.0	NA
1,3-Dichlorobenzene	ND	ND	ND	ND	5.0	NA
1,4-Dichlorobenzene	ND	ND	ND	ND	5.0	NA
Dichlorodifluoromethane	ND	ND	ND	ND	5.0	NA
1,1-Dichloroethane	ND	ND	ND	ND	5.0	NA
1,2-Dichloroethane	ND	ND	ND	ND	5.0	NA
1,1-Dichloroethene	ND	ND	ND	ND	5.0	NA
cis-1,2-Dichloroethene	ND	ND	ND	ND	5.0	NA
trans-1,2-Dichloroethene	ND	ND	ND	ND	5.0	NA
1,2-Dichloropropane	ND	ND	ND	ND	5.0	NA
cis-1,3-Dichloropropene	ND	ND	ND	ND	5.0	NA
trans-1,3-Dichloropropene	ND	ND	ND	ND	5.0	NA
Methylene chloride	ND	ND	ND	ND	5.0	NA
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	5.0	NA
Tetrachloroethene	13	ND	ND	ND	5.0	NA
1,1,1-Trichloroethane	ND	ND	ND	ND	5.0	NA
1,1,2-Trichloroethane	ND	ND	ND	ND	5.0	NA
Trichloroethene	ND	ND	ND	ND	5.0	NA
Trichlorofluoromethane	ND	ND	ND	ND	5.0	NA
Vinyl Chloride	ND	ND	ND	ND	5.0	NA
Surrogate Recoveries (%)						
%SS:	104	102	103	112		
Comments						

* 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.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content; k) reporting limit rasied due to insufficient sample amount.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

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Telephone : 925-798-1620 Fax : 925-798-1622
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Cambria Env. Technology	Client Project ID: #522-1000-020; John Nady	Date Sampled: 01/06/04
5900 Hollis St, Suite A		Date Received: 01/07/04
Emeryville, CA 94608	Client Contact: Matt Meyers	Date Extracted: 01/07/04
	Client P.O.:	Date Analyzed: 01/08/04

Halogenated Volatile Organics by P&T and GC-ELCD (8010 Basic Target List)*

Extraction Method: SW5030 Analytical Method: SW8021B Work Order: 0401048

Lab ID	0401048-005A	0401048-006A	0401048-007A		Reporting Limit for DF =1	
Client ID	SB-18@7.5	SB-18@11.5	SB-18@17			
Matrix	S	S	S			
DF	80	10	80		S	W
Compound	**Concentration**				µg/Kg	µg/L
Bromodichloromethane	ND<400	ND<50	ND<400		5.0	NA
Bromoform	ND<400	ND<50	ND<400		5.0	NA
Bromomethane	ND<400	ND<50	ND<400		5.0	NA
Carbon Tetrachloride	ND<400	ND<50	ND<400		5.0	NA
Chlorobenzene	ND<400	ND<50	ND<400		5.0	NA
Chloroethane	ND<400	ND<50	ND<400		5.0	NA
2-Chloroethyl vinyl ether	ND<400	ND<50	ND<400		5.0	NA
Chloroform	ND<400	ND<50	ND<400		5.0	NA
Chloromethane	ND<400	ND<50	ND<400		5.0	NA
Dibromochloromethane	ND<400	ND<50	ND<400		5.0	NA
1,2-Dichlorobenzene	ND<400	ND<50	ND<400		5.0	NA
1,3-Dichlorobenzene	ND<400	ND<50	ND<400		5.0	NA
1,4-Dichlorobenzene	ND<400	ND<50	ND<400		5.0	NA
Dichlorodifluoromethane	ND<400	ND<50	ND<400		5.0	NA
1,1-Dichloroethane	ND<400	ND<50	ND<400		5.0	NA
1,2-Dichloroethane	ND<400	ND<50	ND<400		5.0	NA
1,1-Dichloroethene	ND<400	ND<50	ND<400		5.0	NA
cis-1,2-Dichloroethene	ND<400	ND<50	ND<400		5.0	NA
trans-1,2-Dichloroethene	ND<400	ND<50	ND<400		5.0	NA
1,2-Dichloropropane	ND<400	ND<50	ND<400		5.0	NA
cis-1,3-Dichloropropene	ND<400	ND<50	ND<400		5.0	NA
trans-1,3-Dichloropropene	ND<400	ND<50	ND<400		5.0	NA
Methylene chloride	ND<400	ND<50	ND<400		5.0	NA
1,1,2,2-Tetrachloroethane	ND<400	ND<50	ND<400		5.0	NA
Tetrachloroethene	ND<400	ND<50	ND<400		5.0	NA
1,1,1-Trichloroethane	ND<400	ND<50	ND<400		5.0	NA
1,1,2-Trichloroethane	ND<400	ND<50	ND<400		5.0	NA
Trichloroethene	ND<400	ND<50	ND<400		5.0	NA
Trichlorofluoromethane	ND<400	ND<50	ND<400		5.0	NA
Vinyl Chloride	ND<400	ND<50	ND<400		5.0	NA
Surrogate Recoveries (%)						
%SS:	106	111	104			
Comments	j	j	j			

* 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.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content; k) reporting limit rasied due to insufficient sample amount.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

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Website: www.mccampbell.com E-mail:

QC SUMMARY REPORT FOR SW8021B/8015Cm

Matrix: S WorkOrder: 0401048

EPA Method: SW8021B/8015Cm Extraction: SW5030B BatchID: 9917 Spiked Sample ID: 0401032-001A

	Sample	Spiked	MS*	MSD*	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
TPH(btex)£	ND	0.60	104	99.5	4.76	105	104	1.17	70	130
MTBE	ND	0.10	86.3	94.1	8.67	86.1	85.5	0.800	70	130
Benzene	ND	0.10	102	104	1.72	91.5	96	4.83	70	130
Toluene	ND	0.10	90.7	91.1	0.442	80.2	84.6	5.40	70	130
Ethylbenzene	ND	0.10	110	107	3.04	102	106	3.98	70	130
Xylenes	ND	0.30	100	100	0	96.3	100	3.74	70	130
%SS:	97.1	0.10	111	107	3.67	112	114	1.77	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

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.

£ 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 = 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 Certification No. 1644

QA/QC Officer

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QC SUMMARY REPORT FOR SW8015C

Matrix: S WorkOrder: 0401048

EPA Method: SW8015C	Extraction: SW3550C			BatchID: 9918		Spiked Sample ID: 0401032-001A				
	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
TPH(d)	ND	150	92.9	91.1	1.96	103	103	0	70	130
%SS:	102	100	99.8	94.9	4.99	107	107	0	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

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.

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QC SUMMARY REPORT FOR SW8021B

Matrix: S WorkOrder: 0401048

EPA Method: SW8021B	Extraction: SW5030		BatchID: 9920			Spiked Sample ID: 0401034-001A				
	Sample	Spiked	MS*	MSD*	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/Kg	µg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
Chlorobenzene	ND	50	84	83.1	1.05	96.6	90.2	6.76	70	130
1,1-Dichloroethene	ND	50	80.4	80.2	0.297	91.2	87.4	4.24	70	130
Trichloroethene	ND	50	75.5	75.4	0.114	85.9	87.5	1.84	70	130
%SS:	120	100	109	108	0.930	105	109	3.39	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

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.

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CHAIN-OF-CUSTODY RECORD

WorkOrder: 0401048

Report to:
Ron Scheele
Cambria Env. Technology
5900 Hollis St, Suite A
Emeryville, CA 94608

TEL: (510) 420-0700
FAX: (510) 420-3394
ProjectNo: #522-1000-020; John Nady
PO:

Bill to:
Accounts Payable
Cambria Env. Technology
5900 Hollis St, Ste. A
Emeryville, CA 94608

Requested TAT: 5 days
Date Received: 1/7/04
Date Printed: 1/7/04

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)														
					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
0401048-001	SB-23@3	Soil	1/6/04 9:45:00 AM	☐	A	A	A												
0401048-002	SB-23@6	Soil	1/6/04 10:15:00 AM	☐	A	A	A												
0401048-003	SB-23@9	Soil	1/6/04 10:35:00 AM	☐	A	A	A												
0401048-004	SB-18@3.5	Soil	1/6/04 11:40:00 AM	☐	A	A	A												
0401048-005	SB-18@7.5	Soil	1/6/04 12:40:00 PM	☐	A	A	A												
0401048-006	SB-18@11.5	Soil	1/6/04 12:50:00 PM	☐	A	A	A												
0401048-007	SB-18@17	Soil	1/6/04 2:45:00 PM	☐	A	A	A												

Test Legend:

1	8010B_S	2	G-MBTEX_S	3	TPH(DMO)_S	4		5	
6		7		8		9		10	
11		12		13		14		15	

Prepared by: Maria Venegas

Comments:

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

0401048

CHAIN OF CUSTODY RECORD

McCAMPBELL ANALYTICAL INC.
110 2nd AVENUE SOUTH, #D7
PACHECO, CA 94553-5560
Telephone: (925) 798-1620 Fax: (925) 798-1622

TURN AROUND TIME: ☐ RUSH ☐ 24 HOUR ☐ 48 HOUR ☒ 5 DAY

EDF Required? ☐ Yes ☒ No

Report To: Matt Meyers Bill To: Cambria

Company: Cambria Environmental Technology, Inc.

5900 Hollis Street, Suite A

Emeryville, Ca 94608 E-mail: mmeyers@cambria-env.com

Tele: (510) 420-3314 Fax: (510) 420-9170

Project #:522-1000-020 Project Name: John Nady

Project Location: 1137-1167 65th Street, Oakland

Sampler Signature:

SAMPLE ID (Field Point Name)	LOCATION	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	MATRIX Soil	MATRIX Air	MATRIX Sludge	MATRIX Other	METHOD PRESERVED Ice	METHOD PRESERVED HCl	METHOD PRESERVED HNO_3	METHOD PRESERVED Other	Analysis Request: BTEX and MTBE by EPA 8015	Analysis Request: TPHg/ss/d/mo by EPA 8015	Analysis Request: VOCs by EPA 8010	Other	Comments
SB-23@3		1/6/04	9:45	1	TORE		X				X				X	X	X		
SB-23@6			10:15																
SB-23@9			10:35																
SB-18@3.5			11:40																
SB-18@7.5			12:30																
SB-18@11.5			12:50																
SB-18@17			2:45																

Relinquished By:	Date:	Time:	Received By:
	1/6/04	4pm	"SECURE LOCATION"
Relinquished By:	Date:	Time:	Received By:
	1/7	11:45	#280
Relinquished By:	Date:	Time:	Received By:
UPS DEX #280	1/7	13:45	

Remarks:
Lowest possible detection limits.
Please email results.

GOOD CONDITION ✓
HEAD SPACE ABSENT
DECHLORINATED IN LAB
APPROPRIATE CONTAINERS ✓
PRESERVED IN LAB

PRESERVATION | VOAS | O&G | METALS | OTHER

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Cambria Env. Technology 5900 Hollis St, Suite A Emeryville, CA 94608	Client Project ID: #522-1000-020; Nady Systems	Date Sampled: 01/05/04
		Date Received: 01/06/04
	Client Contact: Matt Meyers	Date Reported: 01/12/04
	Client P.O.:	Date Completed: 01/12/04

WorkOrder: 0401034

January 12, 2004

Dear Matt:

Enclosed are:

1). the results of **5** analyzed samples from your **#522-1000-020; Nady Systems project,**

2). a QC report for the above samples

3). a copy of the chain of custody, and

4). a bill 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 please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Yours truly,

Angela Rydelius, Lab Mangager

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Cambria Env. Technology	Client Project ID: #522-1000-020; Nady Systems	Date Sampled: 01/05/04
5900 Hollis St, Suite A		Date Received: 01/06/04
Emeryville, CA 94608	Client Contact: Matt Meyers	Date Extracted: 01/06/04
	Client P.O.:	Date Analyzed: 01/07/04-01/09/04

Gasoline Range (C6-C12) Stoddar Solvent Range (C9-C12) Volatile Hydrocarbons with BTEX & MTBE*

Extraction Method: SW5030B | Analytical Method: SW8021B/8015Cm | Work Order: 0401034

Lab ID	0401034-001A	0401034-002A	0401034-003A	0401034-004A	Reporting Limit for DF =1	
Client ID	SB-13@6	SB-13@11.5	SB-24@3	SB-24@6		
Matrix	S	S	S	S		
DF	10	20	100	40	S	W
Compound	**Concentration**				mg/Kg	ug/L
TPH(g)	140	260	980	430	1.0	NA
TPH(ss)	150	260	1000	420	1.0	NA
MTBE	ND<0.50	ND<1.0	ND<5.0	ND<2.0	0.05	NA
Benzene	ND<0.050	ND<0.10	ND<0.50	ND<0.20	0.005	NA
Toluene	ND<0.050	ND<0.10	ND<0.50	ND<0.20	0.005	NA
Ethylbenzene	ND<0.050	ND<0.10	ND<0.50	0.24	0.005	NA
Xylenes	ND<0.050	ND<0.10	ND<0.50	ND<0.20	0.005	NA
Surrogate Recoveries (%)						
%SS:	88.4	91.7	79.1	103		
Comments	e	e	e	e		

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

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern.

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Cambria Env. Technology	Client Project ID: #522-1000-020; Nady Systems	Date Sampled: 01/05/04
5900 Hollis St, Suite A		Date Received: 01/06/04
Emeryville, CA 94608	Client Contact: Matt Meyers	Date Extracted: 01/06/04
	Client P.O.:	Date Analyzed: 01/07/04-01/09/04

Gasoline Range (C6-C12) Stoddar Solvent Range (C9-C12) Volatile Hydrocarbons with BTEX & MTBE*

Extraction Method: SW5030B | Analytical Method: SW8021B/8015Cm | Work Order: 0401034

					Reporting Limit for DF =1	
Lab ID	0401034-005A					
Client ID	SB-24@9					
Matrix	S					
DF	10				S	W
Compound	**Concentration**				mg/Kg	ug/L
TPH(g)	43				1.0	NA
TPH(ss)	43				1.0	NA
MTBE	ND<0.50				0.05	NA
Benzene	ND<0.050				0.005	NA
Toluene	ND<0.050				0.005	NA
Ethylbenzene	ND<0.050				0.005	NA
Xylenes	ND<0.050				0.005	NA
Surrogate Recoveries (%)						
%SS:	83.2					
Comments	e					

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

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

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Cambria Env. Technology	Client Project ID: #522-1000-020; Nady Systems	Date Sampled: 01/05/04
5900 Hollis St, Suite A		Date Received: 01/06/04
Emeryville, CA 94608	Client Contact: Matt Meyers	Date Extracted: 01/06/04
	Client P.O.:	Date Analyzed: 01/06/04-01/07/04

Diesel (C10-23) and Oil (C18+) Range Extractable Hydrocarbons as Diesel and Motor Oil*

Extraction method: SW3550C Analytical methods: SW8015C Work Order: 0401034

Lab ID	Client ID	Matrix	TPH(d)	TPH(mo)	DF	% SS
0401034-001A	SB-13@6	S	21,d,b	ND	1	110
0401034-002A	SB-13@11.5	S	41,d,b	ND	1	109
0401034-003A	SB-24@3	S	1300,d,b	ND<250	50	112
0401034-004A	SB-24@6	S	220,d,b	8.9	1	102
0401034-005A	SB-24@9	S	54,d,b	ND	1	119

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	ug/L
	S	1.0	5.0	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.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant); d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel; f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit.

DHS Certification No. 1644

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Cambria Env. Technology	Client Project ID: #522-1000-020; Nady Systems	Date Sampled: 01/05/04
5900 Hollis St, Suite A		Date Received: 01/06/04
Emeryville, CA 94608	Client Contact: Matt Meyers	Date Extracted: 01/06/04
	Client P.O.:	Date Analyzed: 01/06/04-01/07/04

Halogenated Volatile Organics by P&T and GC-ELCD (8010 Basic Target List)*

Extraction Method: SW5030 Analytical Method: SW8021B Work Order: 0401034

Lab ID	0401034-001A	0401034-002A	0401034-003A	0401034-004A	Reporting Limit for DF =1	
Client ID	SB-13@6	SB-13@11.5	SB-24@3	SB-24@6		
Matrix	S	S	S	S		
DF	1	1	80	80	S	W
Compound	**Concentration**				µg/Kg	µg/L
Bromodichloromethane	ND	ND	ND<400	ND<400	5.0	NA
Bromoform	ND	ND	ND<400	ND<400	5.0	NA
Bromomethane	ND	ND	ND<400	ND<400	5.0	NA
Carbon Tetrachloride	ND	ND	ND<400	ND<400	5.0	NA
Chlorobenzene	ND	ND	ND<400	ND<400	5.0	NA
Chloroethane	ND	ND	ND<400	ND<400	5.0	NA
2-Chloroethyl vinyl ether	ND	ND	ND<400	ND<400	5.0	NA
Chloroform	ND	ND	ND<400	ND<400	5.0	NA
Chloromethane	ND	ND	ND<400	ND<400	5.0	NA
Dibromochloromethane	ND	ND	ND<400	ND<400	5.0	NA
1,2-Dichlorobenzene	ND	ND	ND<400	ND<400	5.0	NA
1,3-Dichlorobenzene	ND	ND	ND<400	ND<400	5.0	NA
1,4-Dichlorobenzene	ND	ND	ND<400	ND<400	5.0	NA
Dichlorodifluoromethane	ND	ND	ND<400	ND<400	5.0	NA
1,1-Dichloroethane	ND	ND	ND<400	ND<400	5.0	NA
1,2-Dichloroethane	ND	ND	ND<400	ND<400	5.0	NA
1,1-Dichloroethene	ND	ND	ND<400	ND<400	5.0	NA
cis-1,2-Dichloroethene	ND	ND	ND<400	ND<400	5.0	NA
trans-1,2-Dichloroethene	ND	ND	ND<400	ND<400	5.0	NA
1,2-Dichloropropane	ND	ND	ND<400	ND<400	5.0	NA
cis-1,3-Dichloropropene	ND	ND	ND<400	ND<400	5.0	NA
trans-1,3-Dichloropropene	ND	ND	ND<400	ND<400	5.0	NA
Methylene chloride	ND	ND	ND<400	ND<400	5.0	NA
1,1,2,2-Tetrachloroethane	ND	ND	ND<400	ND<400	5.0	NA
Tetrachloroethene	ND	ND	ND<400	ND<400	5.0	NA
1,1,1-Trichloroethane	ND	ND	ND<400	ND<400	5.0	NA
1,1,2-Trichloroethane	ND	ND	ND<400	ND<400	5.0	NA
Trichloroethene	ND	ND	ND<400	ND<400	5.0	NA
Trichlorofluoromethane	ND	ND	ND<400	ND<400	5.0	NA
Vinyl Chloride	ND	ND	ND<400	ND<400	5.0	NA
Surrogate Recoveries (%)						
%SS:	120	116	118	111		
Comments			j	j		

* 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.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content; k) reporting limit rasied due to insufficient sample amount.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

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Cambria Env. Technology	Client Project ID: #522-1000-020; Nady Systems	Date Sampled: 01/05/04
5900 Hollis St, Suite A		Date Received: 01/06/04
Emeryville, CA 94608	Client Contact: Matt Meyers	Date Extracted: 01/06/04
	Client P.O.:	Date Analyzed: 01/06/04-01/07/04

Halogenated Volatile Organics by P&T and GC-ELCD (8010 Basic Target List)*

Extraction Method: SW5030 Analytical Method: SW8021B Work Order: 0401034

		Reporting Limit for DF =1	
Lab ID	0401034-005A		
Client ID	SB-24@9		
Matrix	S		
DF	10	S	W

Compound	Concentration	µg/Kg	µg/L
Bromodichloromethane	ND<50	5.0	NA
Bromoform	ND<50	5.0	NA
Bromomethane	ND<50	5.0	NA
Carbon Tetrachloride	ND<50	5.0	NA
Chlorobenzene	ND<50	5.0	NA
Chloroethane	ND<50	5.0	NA
2-Chloroethyl vinyl ether	ND<50	5.0	NA
Chloroform	ND<50	5.0	NA
Chloromethane	ND<50	5.0	NA
Dibromochloromethane	ND<50	5.0	NA
1,2-Dichlorobenzene	ND<50	5.0	NA
1,3-Dichlorobenzene	ND<50	5.0	NA
1,4-Dichlorobenzene	ND<50	5.0	NA
Dichlorodifluoromethane	ND<50	5.0	NA
1,1-Dichloroethane	ND<50	5.0	NA
1,2-Dichloroethane	ND<50	5.0	NA
1,1-Dichloroethene	ND<50	5.0	NA
cis-1,2-Dichloroethene	ND<50	5.0	NA
trans-1,2-Dichloroethene	ND<50	5.0	NA
1,2-Dichloropropane	ND<50	5.0	NA
cis-1,3-Dichloropropene	ND<50	5.0	NA
trans-1,3-Dichloropropene	ND<50	5.0	NA
Methylene chloride	ND<50	5.0	NA
1,1,2,2-Tetrachloroethane	ND<50	5.0	NA
Tetrachloroethene	ND<50	5.0	NA
1,1,1-Trichloroethane	ND<50	5.0	NA
1,1,2-Trichloroethane	ND<50	5.0	NA
Trichloroethene	ND<50	5.0	NA
Trichlorofluoromethane	ND<50	5.0	NA
Vinyl Chloride	ND<50	5.0	NA
Surrogate Recoveries (%)			
%SS:	120		
Comments	j		

* 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.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content; k) reporting limit rasied due to insufficient sample amount.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

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QC SUMMARY REPORT FOR SW8021B/8015Cm

Matrix: S WorkOrder: 0401034

EPA Method: SW8021B/8015Cm Extraction: SW5030B BatchID: 9917 Spiked Sample ID: 0401032-001A

	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
MTBE	ND	0.10	86.3	94.1	8.67	86.1	85.5	0.800	70	130
Benzene	ND	0.10	102	104	1.72	91.5	96	4.83	70	130
Toluene	ND	0.10	90.7	91.1	0.442	80.2	84.6	5.40	70	130
Ethylbenzene	ND	0.10	110	107	3.04	102	106	3.98	70	130
Xylenes	ND	0.30	100	100	0	96.3	100	3.74	70	130
%SS:	97.1	0.10	111	107	3.67	112	114	1.77	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

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.

£ 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 = 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 Certification No. 1644 _____QA/QC Officer

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QC SUMMARY REPORT FOR SW8015C

Matrix: S WorkOrder: 0401034

EPA Method: SW8015C	Extraction: SW3550C		BatchID: 9918			Spiked Sample ID: 0401032-001A				
	Sample	Spiked	MS*	MSD*	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
TPH(d)	ND	150	92.9	91.1	1.96	103	103	0	70	130
%SS:	102	100	99.8	94.9	4.99	107	107	0	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

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.

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QC SUMMARY REPORT FOR SW8021B

Matrix: S WorkOrder: 0401034

EPA Method: SW8021B	Extraction: SW5030			BatchID: 9920		Spiked Sample ID: 0401034-001A				
	Sample	Spiked	MS*	MSD*	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/Kg	µg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
Chlorobenzene	ND	50	84	83.1	1.05	96.6	90.2	6.76	70	130
1,1-Dichloroethene	ND	50	80.4	80.2	0.297	91.2	87.4	4.24	70	130
Trichloroethene	ND	50	75.5	75.4	0.114	85.9	87.5	1.84	70	130
%SS:	120	100	109	108	0.930	105	109	3.39	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

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.

McCampbell Analytical Inc.
110 Second Avenue South, #D7
Pacheco, CA 94553-5560
(925) 798-1620

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0401034

Report to:		Bill to:	
Mary C. Holland-Ford	TEL: (510) 420-0700	Accounts Payable	Requested TAT: 5 days
Cambria Env. Technology	FAX: (510) 420-3394	Cambria Env. Technology	
5900 Hollis St, Suite A	ProjectNo: #522-1000-020; Nady Systems	5900 Hollis St, Ste. A	*Date Received:* 1/6/04
Emeryville, CA 94608	PO:	Emeryville, CA 94608	*Date Printed:* 1/6/04

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
0401034-001	SB-13@6	Soil	1/5/04 1:10:00 PM	☐	A	A	A												
0401034-002	SB-13@11.5	Soil	1/5/04 1:25:00 PM	☐	A	A	A												
0401034-003	SB-24@3	Soil	1/5/04 2:00:00 PM	☐	A	A	A												
0401034-004	SB-24@6	Soil	1/5/04 2:55:00 PM	☐	A	A	A												
0401034-005	SB-24@9	Soil	1/5/04 3:10:00 PM	☐	A	A	A												

Test Legend:

1	8010B_S	2	G-MBTEX_S	3	TPH(DMO)_S	4		5	
6		7		8		9		10	
11		12		13		14		15	

Prepared by: Melissa Valles

Comments:

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

cer

0401034

CHAIN OF CUSTODY RECORD

McCAMPBELL ANALYTICAL INC.
110 2nd AVENUE SOUTH, #D7
PACHECO, CA 94553-5560
Telephone: (925) 798-1620 Fax: (925) 798-1622

TURN AROUND TIME: ☐ RUSH ☐ 24 HOUR ☐ 48 HOUR ☒ 5 DAY

EDF Required? ☐ Yes ☒ No

Report To: Matt Meyers Bill To: Cambria

Company: Cambria Environmental Technology, Inc.

5900 Hollis Street, Suite A

Emeryville, Ca 94608 E-mail: mmeyers@cambria-env.com

Tele: (510) 420-3314 Fax: (510) 420-9170

Project #:522-1000-020 Project Name: Nady Systems

Project Location: 1137-1167 65th Street, Oakland

Sampler Signature:

SAMPLE ID (Field Point Name)	LOCATION	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	MATRIX Soil	MATRIX Air	MATRIX Sludge	MATRIX Other	METHOD PRESERVED Ice	METHOD PRESERVED HCl	METHOD PRESERVED HNO_3	METHOD PRESERVED Other	Analysis Request: BTEX & TPH as Gas (602/8020 + 8015) MTBE	TPH as Diesel (8015) / motor oil / Stoddard solvent	Total Petroleum Oil & Grease (5520 E&F/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 601 (8010) VOCs	BTEX ONLY (EPA 602 / 8020)	EPA 608 / 8080	EPA 608 / 8080 PCB's ONLY	EPA 624 / 8240 / 8260	EPA 625 / 8270	PAH's / PNA's by EPA 625 / 8270 &8310	CAM-17 Metals	LUFT 5 Metals	Lead (7240/7421/239.2/6010)	RCI	Other	Comments
SB-13@6		1/5/04	1:10	1	TUBE		X				X				X	X			X											
SB-13@11.5		"	1:25	"	"		"				X				"	"			"											
SB-24@3		"	2:00	"	"		"				X				"	"			"											
SB-24@6		"	2:55	"	"		"				X				"	"			"											
SB-24@9		"	3:10	"	"		"				X				"	"			"											

Relinquished By:	Date:	Time:	Received By:
	1/5/04	5pm	'SECURED LOCATION'
Relinquished By:	Date:	Time:	Received By:
	1/6/04	950	ULTRA EX
Relinquished By:	Date:	Time:	Received By:
	1/6/4	1300	E. RICARDO

Remarks:
Lowest possible detection limits.
Please email results.

ICE/T ✓
GOOD CONDITION ✓
HEAD SPACE ABSENT
DECHLORINATED IN LAB
APPROPRIATE ✓
CONTAINERS
PRESERVED IN LAB

PRESERVATION	VOAS	O&G	METALS	OTHER