AMBRIA

February 13, 2003

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

FILE COPY

Re: **Soil and Groundwater Investigation Report**
1137-1167 65th Street
Alameda, California 94608
Case No.: RO0000082

Dear Mr. Chan:

On behalf of John Nady, Cambria Environmental Technology, Inc. (Cambria) is pleased to submit this *Soil and Groundwater Investigation Report* for the above property.

If you have any questions or comments regarding this report, please contact me at (510) 420-3303.

Sincerely,
Cambria Environmental Technology, Inc.

Bob Clark-Riddell, P.E.
Principal Engineer

Enclosure: Soil and Groundwater Investigation 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(4 copies)

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SOIL AND GROUNDWATER INVESTIGATION REPORT

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

February 13, 2003

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.
1144 65th Street, Suite B
Oakland, California 94608

Bob Clark-Riddell, P.E.
Principal Engineer

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SOIL AND GROUNDWATER INVESTIGATION REPORT

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

February 13, 2003

INTRODUCTION

On behalf of John Nady, Cambria Environmental Technology, Inc. (Cambria) is submitting this *Soil and Groundwater Investigation Report* for the above property. This investigation was conducted in accordance with the Subsurface Consultants, Inc., (SCI) July 12, 2002 *Work Plan – Soil and Groundwater Investigation* and Cambria's November 21, 2002 *Workplan Addendum – Soil and Groundwater Investigation*. The workplan and addendum were approved by Mr. Barney Chan of the Alameda County Health Care Services Agency (ACHCSA) in three letters dated August 7, 2002, November 22, 2002, and December 3, 2002. The site background, investigation procedures and results, conclusions and recommendations are presented below.

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 (msl). The site vicinity is of mixed residential, commercial, and light industrial use.

Site Groundwater Use

Cambria understands that groundwater in the East Bay plain beneath and adjacent to Emeryville, and therefore beneath the site, is not considered a potential drinking water resource.

Site History

City of Oakland building department and fire department records indicate that between 1935 and 1978 some or all of the building units at the site were occupied by various dry cleaning businesses.

1998 Tank Removal: In 1998, a 750-gallon heating oil underground storage tank (UST) was removed from beneath the sidewalk in front of 1167 65th Street (Figure 2). Approximately 18 cubic yards of impacted soil was removed from the UST cavity and transported under chain of custody for disposal. The former UST cavity was subsequently backfilled with clean fill and resurfaced. One confirmation soil sample was collected at a depth of 12 feet below ground surface (bgs) and analyzed for total petroleum hydrocarbons as diesel (TPHd) and benzene, toluene, ethylbenzene, and total xylenes (BTEX). The sample contained 14 microgams per kilogram (µg/kg) TPHd and no detectable concentrations of BTEX constituents.

2001 Product Removal: In November 2001, product containing for total petroleum hydrocarbon (TPH) compounds with BTEX, and volatile organic compounds (VOCs) including 1,2-dichloroethane were removed from six USTs located at the site. The removed product was transported under chain of custody for disposal as hazardous waste.

2002 Tank Removal and Abandonment: In February 2002, five of the six USTs emptied in November 2001 were excavated and removed, and one tank was filled with a cement slurry and abandoned in place. Soil and groundwater sampled from the tank areas indicated elevated concentrations of TPH compounds including gasoline (TPHg), naphtha (TPHnap), Stoddard solvent (TPHss), and TPHd, BTEX, and VOCs including 1,2-dichloroethane, 1,3,5-trimethylbenzene, and 1,2,4-trimethylbenzene. Soil removed from the former UST areas was transported under chain of custody for disposal.

INVESTIGATION PROCEDURES AND RESULTS

Cambria advanced eleven soil borings (SB-1 through SB-11) to further define the extent of petroleum hydrocarbons and VOCs in soil and groundwater beneath the site (Figures 2 and 3). During the boring activities, Cambria installed temporary wells in each boring to assess groundwater elevation and to facilitate collection of groundwater samples. The eleven borings were located near the former USTs and associated piping, and upgradient, crossgradient and downgradient of the former UST/piping areas. A brief geophysical survey was conducted to screen proposed boring locations prior to drilling. As specified in the workplan addendum, one boring (SB-4) was added near the former 'gas pump' in

in some borings, Cambria revised the soil sampling protocol with case worker Barney Chan of the ACHCSA on November 27, 2002. The initial sampling protocol involved analysis of two soil samples per boring. The revised sampling protocol increased the number of samples for select wells with deeper groundwater and did not involve soil sampling from boring SB-6, which was located very close prior sampling locations within the exterior tank area.

Petroleum Hydrocarbon Distribution in Soil: Petroleum hydrocarbons were detected in eight of the ten borings with analyzed soil samples (see Table 1). The detected petroleum hydrocarbons were predominantly in the diesel, Stoddard solvent, and gasoline ranges. However, the analytical laboratory indicated in footnotes that the petroleum hydrocarbons quantified as TPHd appear to be derived from "Stoddard solvent/mineral spirit". The maximum detected concentrations of petroleum hydrocarbons were 2,900 mg/kg TPHd, 6,600 mg/kg TPHss, and 6,400 mg/kg TPHg in boring SB-8 at a depth of six feet bgs.

Petroleum hydrocarbon concentrations in soil exceeding the RWQCB RBSLs for surface soil (for either residential or commercial use) were detected in borings SB-1, SB-5, SB-7, and SB-8. The concentrations exceeding the RBSLs are shown in bold on Table 1. In all cases, petroleum hydrocarbons exceeding the RBSLs were detected in soil depths ranging from 3.5 to 7.5 feet bgs, with concentrations in deeper soil below the RBSLs. This suggests that the vertical extent of petroleum hydrocarbons has been defined to RBSLs. This is true for all results except for boring SB-7, where TPH was detected at 17.5 feet bgs and where the sample depth corresponded with the depth of first encountered groundwater. Several of the previous soil samples analyzed during the tank removal also exceed the RBSLs for surface soil, according to the May 17, 2002 *UST Removal* report by SCI.

The RBSLs referenced above are derived from the risk associated with petroleum hydrocarbons leaching from soil into groundwater. If soil leaching is not a regulatory concern, and if the primary concern is the risk of indoor air impacts, then soil concentrations do not exceed RBSLs. There are no RBSLs established for indoor air impact from TPH in soil. The RBSLs are summarized on Table 1.

VOC Distribution in Soil: VOCs were detected in six of the ten borings with analyzed soil samples (see Table 2). VOCs were detected in soil from borings SB-1, SB-4, SB-5, SB-7, SB-8 and SB-10; no VOCs were detected in soil from borings SB-2, SB-3, SB-9, and SB-11, where sample depths ranged from 3.5 to 11.5 feet bgs. Some BTEX compounds were detected in soil from the former tank pit along 65th Street (SB-1) and the former gas tank/pump (SB-4); no other BTEX compounds were detected in site soil. (The only BTEX compounds detected during the tank removal sampling by SCI was ethylbenzene near UST 5 and xylenes near UST 1 in the east end sample at six feet bgs).

Tetrachloroethene (PCE) was detected in shallow soil from borings SB-1 and SB-10 at concentrations of 0.044 mg/kg and 0.056 mg/kg, respectively. No trichloroethene (TCE) or cis-1,2 dichloroethene (DCE) was detected in site soil. Naphthalene was detected at concentrations ranging from 0.036 mg/kg (SB-1) to 0.200 mg/kg (SB-7). A vinyl chloride concentration of 0.018 mg/kg was detected in soil from 12 feet bgs from boring SB-10. The highest VOC concentrations were detected in SB-5 at a depth of 7.5 feet bgs, including concentrations of 0.970 mg/kg n-polypropylbenzene, 1.6 mg/kg n-butylbenzene, and 1.7 mg/kg sec-butylbenzene.

No VOCs concentrations from Cambria's investigation exceed the RBSLs for surface soil for either residential or commercial use or U.S. Environmental Protections Agency (EPA) Preliminary Remediation Goals (PRGs). Cambria compared concentrations to PRGs for compounds without established RBSLs. For VOC results from the UST removal by SCI, only trimethylbenzene concentrations in soil near UST 5 and 6 exceed the EPA PRGs; no VOC results for soil from the UST removal exceed the RBSLs. The RBSLs and PRGs are presented on Table 2. The RBSLs assume that water beneath the site is not considered a potential drinking water source, which is the case in Emeryville.

Petroleum Hydrocarbon Distribution in Groundwater: Petroleum hydrocarbons were detected in seven of the eight borings with analyzed groundwater samples (see Table 3). No petroleum hydrocarbons were detected in boring SB-2, groundwater was not analyzed from boring SB-4 due to the presence of separate-phase hydrocarbons (SPH) globules, and groundwater was not recovered from borings SB-3 and SB-5. As with the soil analytical results, the analytical laboratory noted that petroleum hydrocarbons quantified as TPHd appear to be derived from "Stoddard solvent/mineral spirit". The highest concentrations of petroleum hydrocarbons were detected in grab groundwater from temporary well SB-8, with detected concentrations of 1,200,000 µg/L TPHd, 100,000 µg/L TPHss, and 110,000 µg/L TPHg. Elevated concentrations (>10,000 µg/L) were detected in grab groundwater from temporary wells SB-6 and SB-7, where TPHd was detected at concentrations 120,000 ug/L and 23,000 ug/L, respectively. The analytical laboratory results indicated that the samples from temporary wells SB-6, SB-7, and SB-8 contained "lighter than water immiscible sheen/product", suggesting that SPH (i.e., product) may be present within the site subsurface. The analytical laboratory also noted that samples from wells SB-6, SB-7, and SB-8 "contain greater than ~2 vol. % sediment", which could result in contaminants adsorbed to soil being quanitifed as dissolved hydrocarbons. Boring SB-1 contained TPH as motor oil (TPHmo) at a concentrations of 7,500 µg/L.

To further evaluate conditions in boring SB-4 where SPH globules were observed in grab groundwater samples, the soil sample from 11.5 feet bgs was analyzed in addition to the soil samples from 3.5 and 7.5 feet bgs. Groundwater in temporary well SB-4 was measured at 6.1 and 6.9 feet bgs. Although SPH may be present near SB-4, the low TPH concentrations (15 mg/kg TPH or less) in the analyzed soil samples does not indicate a significant impact from petroleum hydrocarbons.

The RBSLs for petroleum hydrocarbons are summarized on Table 3. The RBSLs are shown for groundwater use as a potential drinking water source, with human toxicity as the risk driver for the established RBSLs. The RBSLs are also shown for groundwater *not* as a potential drinking water source, with aquatic life protection as the risk driver for the established RBSLs. The RBSLs for indoor air impacts are also summarized, although no RBSLs are established for indoor air impact from TPH in groundwater. The RBSLs for groundwater do not differentiate between residential and commercial use.

Because site groundwater is not considered a potential source for drinking water, only the groundwater samples from temporary wells SB-1, SB-6, SB-7 and SB-8 exceed the RBSLs for groundwater. However, the RBSLs are for aquatic life protection and the site has no nearby aquatic receptors. Since the primary exposure pathway of concern is contaminant volatilization into indoor air, then hydrocarbon concentrations in groundwater do not exceed RBSLs. There are no RBSLs established for indoor air impact from TPH in groundwater. The RBSLs are summarized on Table 3. These conclusions also apply to the data from the UST removal by SCI, which found TPH above RBSLs in the interior and exterior groundwater samples.

VOC Distribution in Groundwater: VOCs were detected in seven of the eight borings with analyzed groundwater samples (see Table 4). No VOCs were detected in temporary well SB-2, and groundwater was not analyzed from SB-4 due to the presence of SPH globules. The maximum BTEX concentrations were 2.1 ug/L benzene (SB-6), 3.4 ug/L toluene (SB-10), 0.55 ug/L ethylbenzene (SB-1), and 3.6 ug/L xylenes (SB-1). The maximum VOC concentration detected was 170 µg/L cis-1,2-dichloroethene (1,2-DCE) in SB-10. Tetrachloroethene (PCE) was detected only in SB-1, at a concentration of 1.2 ug/L. Vinyl chloride was detected at 45 µg/L (SB-10), 1.3 ug/L (SB-7), and 0.90 ug/L (SB-6). No trichloroethene (TCE) was detected in groundwater. MTBE was detected at a concentration of 5.1 ug/L (SB-1) and 3.9 µg/L (SB-11).

The RBSLs for VOCs are summarized on Table 4. The RBSLs are shown for groundwater use as a potential drinking water source and *not* as a potential drinking water source. The RBSLs for indoor air impacts are also summarized. The RBSLs for groundwater do not differentiate between residential

and commercial use.

Because site groundwater is not considered a potential source for drinking water, the VOC concentrations detected by Cambria do not exceed the RBSLs. In addition, the VOC concentrations detected by Cambria do not exceed the U.S. Environmental Protections Agency (EPA) Preliminary Remediation Goals (PRGs) for compounds without established RBSLs. These conclusions also apply to the data from the UST removal by SCI, except for benzene and xylenes concentrations that exceed RBSLs protective of aquatic life and a few compounds that exceed the PRGs for tap water. However, the benzene and xylenes concentrations detected by SCI do not exceed RBSLs for indoor air impacts. And since site groundwater is not used as tap water, the PRGs exceeded by a few compounds are not applicable.

Lead Distribution in Soil: Though lead was detected in most soil samples analyzed, no lead concentrations exceed the EPA PRG for lead in soil (400 mg/kg) (see Table 1). The highest concentrations of lead in soil were 37 mg/kg in boring SB-1 at 3.5 feet bgs, and 21 mg/kg in boring SB-4 at 11.5 feet bgs. These concentrations are below the total lead concentration of 50 mg/kg, the threshold at which soluble lead is analyzed to determine if waste soil is considered hazardous by the State of California.

CONCLUSIONS

Cambria concludes the following based on the findings of this investigation:

- VOCs and elevated concentrations of petroleum hydrocarbons are present in site soil and groundwater. These petroleum hydrocarbons appear to be dervied predominantly from Stoddard solvent or mineral spirits.

- The extent of petroleum hydrocarbons and VOCs in soil and groundwater beneath the site appears to be concentrated in the vicinity of piping presumably leading from the former exterior tanks (SB-8), downgradient of the former exterior tank platform (SB-6 and SB-7), and beneath the former tank cavity along 65th Street (SB-1).

- Separate phase hydrocarbons (i.e., free product) appear to be present in the location of SB-4, the former fuel tank/pump location. However, the low hydrocarbon concentrations in soil suggest the hydrocarbon impact may be very limited.

- Although several VOCs (including BTEX, PCE, cis-1,2-DCE, and vinyl chloride) have been detected in site soil and groundwater by Cambria and SCI, none of the detected VOC concentrations exceed the RWQCB RBSLs for indoor air impact.

- Although elevated petroleum hydrocarbons are present in site soil and groundwater, the exposure to residual subsurface hydrocarbons can be managed. The current site capping by the building foundation and site pavement manages the risk. A risk management plan could be prepared to further manage the risk, if necessary to protect construction workers or others. Since RBSLs are not established for the potential impact to indoor air from hydrocarbons in soil or groundwater, there are no RBSLs for site concentrations to exceed.

- The site hydrogeology consists of perched groundwater with confined or semi-confined units of sandy silt and silty sand surrounded by clayey soil. Although the groundwater flow direction at the site during November 2002 could not be determined from collected data, Cambria assumes groundwater flow direction is westward to southwestward, toward San Francisco Bay.

RECOMMENDATIONS

Cambria recommends meeting with the ACHSCA to discuss the findings of this investigation, and to discuss the benefit and scope of additional assessment if required by the ACHSCA to facilitate issuance of a No Further Action (NFA) letter.

ATTACHMENTS

Figure 1 - Vicinity Map
Figure 2 - Groundwater Elevation with Petroleum Hydrocarbon Concentrations in Groundwater
Figure 3 - VOC Concentrations in Groundwater

Table 1 - Soil Analytical Data: Petroleum Hydrocarbons
Table 2 - Soil Analytical Data: VOCs
Table 3 - Groundwater Analytical and Elevation Data: Petroleum Hydrocarbons
Table 4 - Groundwater Analytical and Elevation Data: VOCs

Attachment A - Field Activity Descriptions
Attachment B - Standard Field Procedures for Geoprobe® Sampling and Temporary Monitoring Wells

Attachment C - Permits
Attachment D - Soil Boring Logs
Attachment E - Geophysical Survey Notes
Attachment F - Groundwater Monitoring Field Data Sheets and Water Level Graph
Attachment G – Well Survey Data
Attachment H - Laboratory Analytical Reports

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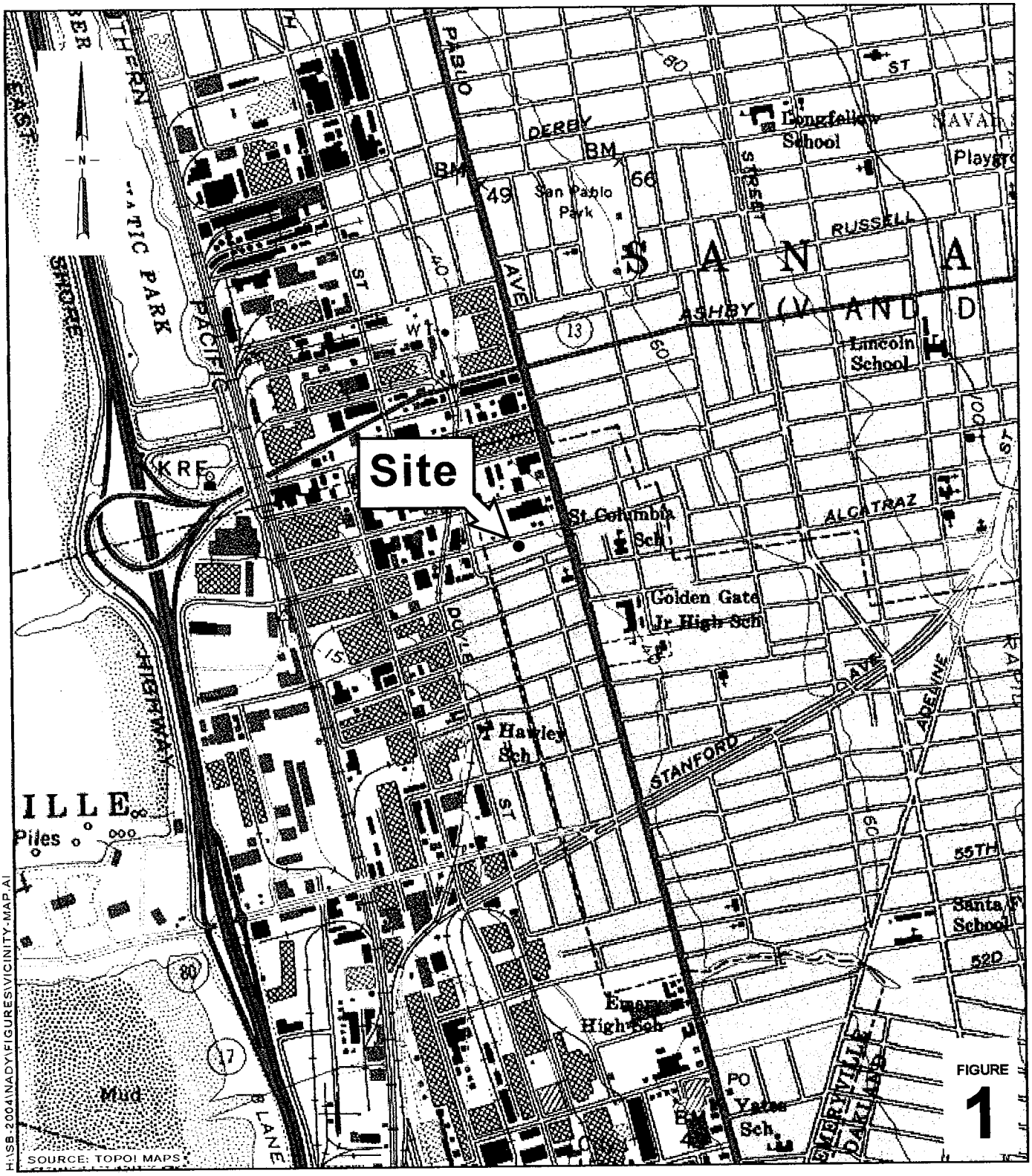
12/19/02



SCALE : 1" = 1/4 MILE

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FIGURE 1

Vicinity Map

1137 - 1167 65th Street

Oakland, California

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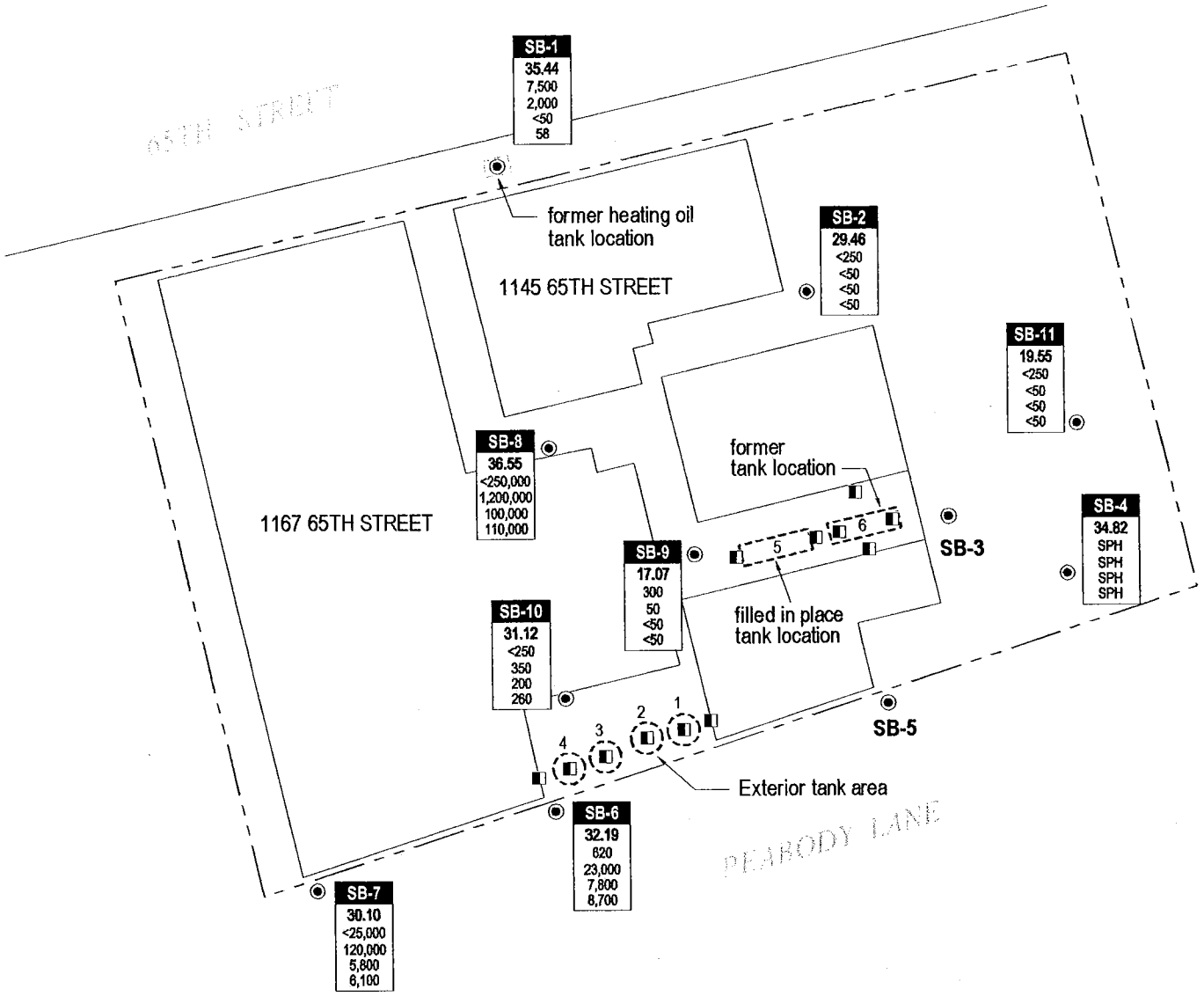

EXPLANATION

SB-1 ◉ Soil boring location

◧ SCI soil sample location

Boring / Temporary well designation

ELEV — Ground water elevation (msl)

TPHmo, TPHd, TPHss, TPHg — TPH concentrations are in parts per billion (ppb)

SPH — Separate Phase Hydrocarbon globules detected in groundwater; sample not analyzed

1 ◯ Former tank location and tank nomenclature

Note: Groundwater elevations were measured at 8:00 am on 11/26/02, approx. 15 to 24 hours following well installation. Benchmark elevation of 13.88 feet. (NAVD88)

N

0 20 40

Scale (ft)

FIGURE

2

H:\SB-2002\WAGDY\FIGURES\GW-HC-4Q02.DWG

1137 - 1167 65th Street

Oakland, California

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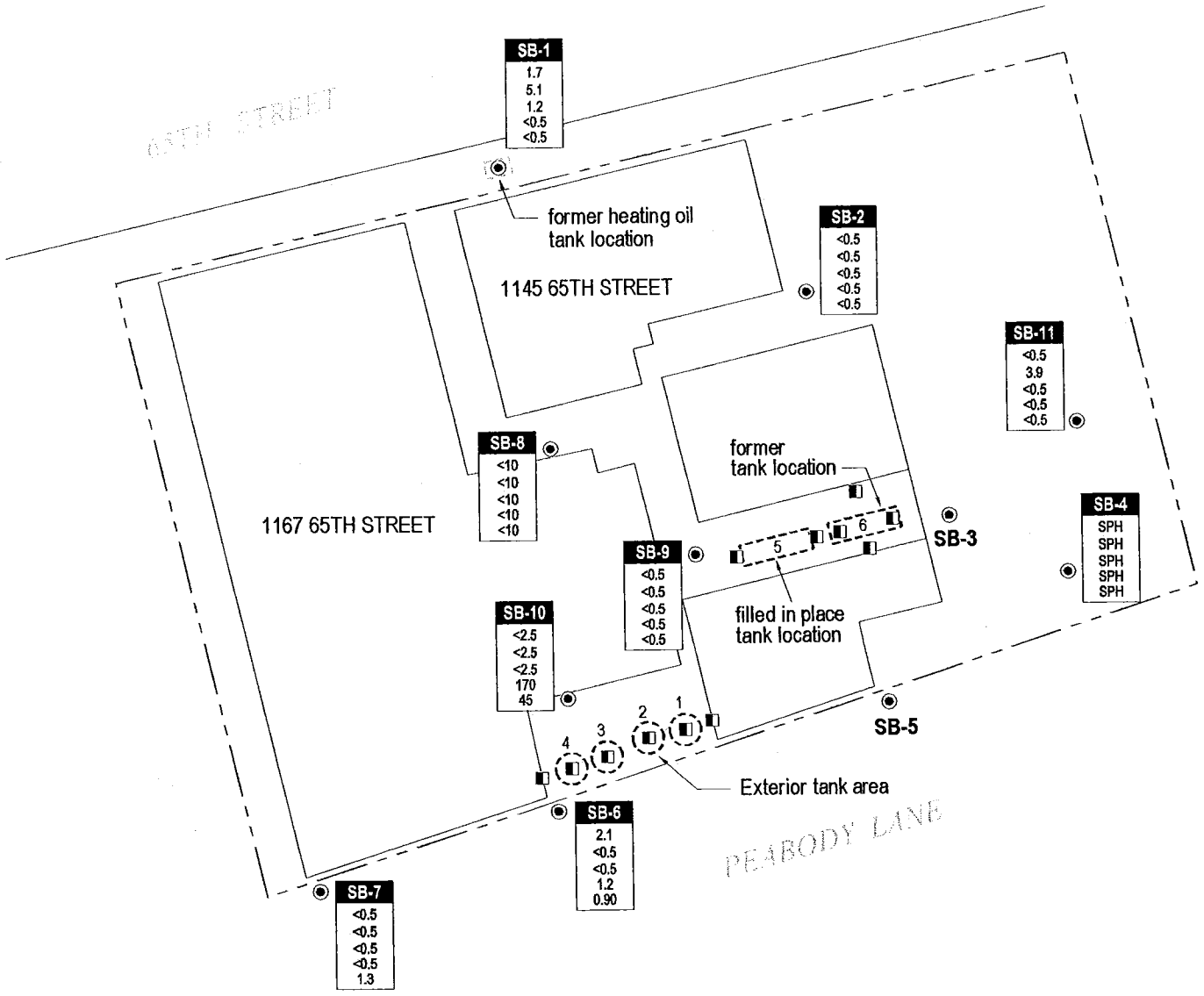
Groundwater Elevations with Petroleum Hydrocarbon Concentrations in Groundwater



EXPLANATION

SB-1 ◉ Soil boring location

◧ SCI soil sample location

Boring — Boring / Temporary well designation

Benz	Benzene
MTBE	Methyl tert butyl ether
PCE	Tetrachloroethene
1,2 DCE	1,2-Dichloroethene
VC	Vinyl Chloride

SPH — Separate Phase Hydrocarbon globules detected in groundwater; sample not analyzed

1 ◯ Former tank location and tank nomenclature

Note: All concentrations are noted in micrograms per liter (µg/L)

N

0 20 40

Scale (ft)

FIGURE **3**

H:\SB-2002\NADY\FIGURES\GW-VOC-4Q02.DWG

1137 - 1167 65th Street

Oakland, California

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Volatile Organic Compound Concentrations in Groundwater

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

Sample ID	Date Sampled	Sample Depth (ft)	TPHmo	TPHd	TPHss	TPHg	TPHnap	Lead
			← mg/kg →					
Residential RBSL, non-drinking water (risk driver)			500 (soil leaching)	500 (soil leaching)	400 (soil leaching)	400 (soil leaching)	400 (soil leaching)	(400)
Commercial RBSL, non-drinking water (risk driver)			500 (soil leaching)	500 (soil leaching)	400 (soil leaching)	400 (soil leaching)	400 (soil leaching)	(400)
RBSL - Indoor Air Impact			NE	NE	NE	NE	NE	NE
Current Cambria Samples								
SB-1-3.5	11/25/2002	3.5	**860**	170	1.7	2.6a,b	---	37
SB-1-7.5	11/25/2002	7.5	140	32	<1.0	<1.0	---	5.8
SB-2-3.5	11/25/2002	3.5	<5.0	<1.0	<1.0	<1.0	---	3.9
SB-2-11.5	11/25/2002	11.5	<5.0	<1.0	<1.0	<1.0	---	6.8
SB-3-7.5	11/25/2002	7.5	<5.0	20	180	190a	---	<3.0
SB-3-11.5	11/25/2002	11.5	<5.0	<1.0	<1.0	<1.0	---	9.7
SB-4-3.5	11/25/2002	3.5	<5.0	<1.0	<1.0	<1.0	---	3.1
SB-4-7.5	11/25/2002	7.5	15	2.1	<1.0	<1.0	---	21
SB-4-11.5	11/25/2002	11.5	5.9	4.8	3.6	4.0	---	3.9
SB-5-7.5	11/25/2002	7.5	5	190	**1,300**	**1,200a**	---	4.2
SB-5-11.5	11/25/2002	11.5	<5.0	<1.0	<1.0	<1.0	---	<3.0
SB-7-3.5	11/25/2002	3.5	16	250	**750**	**810a**	---	8.5
SB-7-7.5	11/25/2002	7.5	13	79	350	380a	---	6.1
SB-7-17.5	11/25/2002	17.5	18	470	**830**	**890a**	---	6.6
SB-8-3	11/25/2002	3.0	<500	**2,500**	**3,600**	**3,500a**	---	6.1
SB-8-6	11/25/2002	6.0	<500	**2,900**	**6,600**	**6,400a**	---	7.5
SB-8-9	11/25/2002	9.0	6.3	58	380	380a	---	7.5
SB-9-6	11/25/2002	6.0	<5.0	2.8	9.4	9.5a	---	6.4
SB-9-9	11/25/2002	9.0	<5.0	<1.0	<1.0	<1.0	---	6.0
SB-10-3	11/25/2002	3.0	<5.0	<1.0	<1.0	<1.0	---	5.0
SB-10-6	11/25/2002	6.0	<5.0	70	140	140a	---	6.4
SB-10-9	11/25/2002	9.0	<5.0	96	140	180a	---	<3.0
SB-10-12	11/25/2002	12.0	<5.0	<1.0	<1.0	<1.0	---	<3.0
SB-11-7.5	11/25/2002	7.5	<5.0	<1.0	<1.0	<1.0	---	9.1
Previous SCI Samples								
Tank 1 Bottom	2/25/2002	--	---	69	74	110	58	---
Tank 2 Bottom	2/25/2002	--	---	34	280	**440**	230	---
Tank 3 Bottom	2/25/2002	--	---	220	**940**	**1,500**	**750**	---
Tank 4 Bottom	2/25/2002	--	---	12	**1,000**	**1,600**	**830**	---
E End @ 6'	2/26/2002	6.0	---	220	**1,400**	**2,200**	**1,100**	---

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

Sample ID	Date Sampled	Sample Depth (ft)	TPHmo	TPHd	TPHss	TPHg	TPHnap	Lead
			← mg/kg →					
Residential RBSL, non-drinking water (risk driver)			500 (soil leaching)	500 (soil leaching)	400 (soil leaching)	400 (soil leaching)	400 (soil leaching)	(400)
Commercial RBSL, non-drinking water (risk driver)			500 (soil leaching)	500 (soil leaching)	400 (soil leaching)	400 (soil leaching)	400 (soil leaching)	(400)
RBSL - Indoor Air Impact			NE	NE	NE	NE	NE	NE
W End @ 6'	2/26/2002	6.0	---	390	**1,800**	**2,900**	**1,500**	---
Pipe #1	2/26/2002	--	---	68	<0.99	<0.99	<0.99	---
Pipe #2	2/26/2002	--	---	6.8	<0.95	<0.95	<0.95	---
Tank 5 E End	2/13/2002	--	---	**1,000**	**11,000**	**17,000**	**8,400**	---
Tank 5 W End	2/13/2002	--	---	**1,800**	**8,400**	**13,000**	**6,200**	---
Tank 6 N Wall	3/7/2002	2.0	---	53	<0.98	<0.98	<0.98	---
Tank 6 S Wall	3/7/2002	5.0	---	260	270	310	140	---
Tank 6 E End	2/13/2002	--	---	**670**	300	**470**	240	---
Tank 6 W End	2/13/2002	--	---	**1,500**	**17,000**	**26,000**	**12,000**	---

Abbreviations and Methods:

1,300 = concentrations exceeding RBSLs shown in bold.

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

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 RBSL = Table B-1 - Risk Based Screening Level Components for Surface Soil (Potentially Impacted Groundwater is not a Current or Potential Source of Drinking Water) for residential reuse for established by the SFBRWQCB, Interim Final December 2001. (The risk driver is shown in parentheses.)

Commercial RBSL = Table B-2 - Risk Based Screening Level Components for Surface Soil (Potentially Impacted Groundwater is not a Current or Potential Source of Drinking Water) for commercial/industrial reuse for established by the SFBRWQCB, Interim Final December 2001. (The risk driver is shown in parentheses.)

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

NE = not established

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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	Isopropylbenzene (Cumene)	n-Propylbenzene	1,3,5-Trimethylbenzene	1,2,4-Trimethylbenzene	sec-Butylbenzene	4-Isopropyl Toluene	n-Buytlbenzene	Naphthalene	Styrene	Methylene Chloride	Acetone	2-Butanone (MEK)	4-methyl-2-pentanone(MIBK)	Other VOCs
			ug/kg																				
Residential, non-drinking water RBSL (risk driver)			180 (iai)	8,400 (sl)	24,000 (sl)	1,000 (sl)	150 (iai)	2,700 (iai)	440 (iai)	(160,000)	(130,000)	(21,000)	(51,000)	(100,000)	--	(130,000)	1,700 (iai)	17,000 (sl)	890 (iai)	510 (sl)	13,000 (sl)	3,800 (sl)	
Commercial, non-drinking water RBSL (risk driver)			390 (iai)	8,400 (sl)	24,000 (sl)	1,000 (sl)	530 (iai)	7,700 (iai)	1,500 (iai)	(520,000)	(550,000)	(70,000)	(170,000)	(410,000)	--	(550,000)	4,900 (sl)	17,000 (sl)	3,100 (iai)	510 (sl)	13,000 (sl)	3,800 (sl)	
Residential RBSL - Indoor Air Impact			180	30,000	76,000	210,000	150	2,700	440	--	--	--	--	--	--	--	1,700	130,000	890	43,000	NE	NE	
Commercial RBSL - Indoor Air Impact			390	89,000	220,000	210,000	530	7,700	1,500	--	--	--	--	--	--	--	5,700	1,700,000	3,100	140,000	NE	NE	
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	<5.0	<5.0	<5.0	9.6	36	<5.0	<5.0	<50	<10	<5.0	ND
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	<5.0	<5.0	<5.0	<5.0	150	<5.0	<5.0	<50	<10	<5.0	ND
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	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<10	<5.0	ND
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	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<10	<5.0	ND
SB-3-7.5	11/25/2002	7.5	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<1,000	<200	<100	ND
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	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<10	<5.0	ND
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	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<10	<5.0	ND
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	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<10	<5.0	ND
SB-4-11.5	11/25/2002	11.5	<5.0	<5.0	7.4	11	<5.0	<5.0	<5.0	7.8	33	79	160	9.5	<5.0	<5.0	59	<5.0	<5.0	<50	<10	<5.0	ND
SB-5-7.5	11/25/2002	7.5	<200	<200	<200	<200	<200	<200	<200	360	970	300	<200	1,700	260	1,600	<200	<200	<200	<2,000	<400	<200	ND
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	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<10	<5.0	ND
SB-7-3.5	11/25/2002	3.5	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	200	<100	<100	<1,000	<200	<100	ND
SB-7-7.5	11/25/2002	7.5	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	130	<100	<100	<100	<100	<1,000	<200	<100	ND
SB-7-17.5	11/25/2002	17.5	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	470	<100	<100	<100	<100	<1,000	<200	<100	ND
SB-8-3	11/25/2002	3.0	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<5,000	<1,000	<500	ND
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	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<10,000	<2,000	<1,000	ND
SB-8-9	11/25/2002	9.0	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	470	<100	<100	<100	<100	<1,000	<200	<100	ND
SB-9-6	11/25/2002	6.0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<100	<20	<10	ND
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	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<10	<5.0	ND
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	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<10	<5.0	ND
SB-10-6	11/25/2002	6.0	<50	<50	<50	<50	<50	<50	<50	<50	100	<50	<50	260	71	260	<50	<50	<50	<500	<100	<50	ND
SB-10-9	11/25/2002	9.0	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<5,000	<1,000	<500	ND
SB-10-12	11/25/2002	12.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<10	<5.0	a
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	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<10	<5.0	ND

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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	Isopropylbenzene (Cumene)	n-Propylbenzene	1,3,5-Trimethylbenzene	1,2,4-Trimethylbenzene	sec-Butylbenzene	4-Isopropyl Toluene	n-Butylbenzene	Naphthalene	Styrene	Methylene Chloride	Acetone	2-Butanone (MEK)	4-methyl-2-pentanone(MIBK)	Other VOCs
			ug/kg																				
Residential, non-drinking water RBSL (risk driver)			180 (iai)	8,400 (sl)	24,000 (sl)	1,000 (sl)	150 (iai)	2,700 (iai)	440 (iai)	(160,000)	(130,000)	(21,000)	(51,000)	(100,000)	--	(130,000)	1,700 (iai)	17,000 (sl)	890 (iai)	510 (sl)	13,000 (sl)	3,800 (sl)	
Commercial, non-drinking water RBSL (risk driver)			390 (iai)	8,400 (sl)	24,000 (sl)	1,000 (sl)	530 (iai)	7,700 (iai)	1,500 (iai)	(520,000)	(550,000)	(70,000)	(170,000)	(410,000)	--	(550,000)	4,900 (sl)	17,000 (sl)	3,100 (iai)	510 (sl)	13,000 (sl)	3,800 (sl)	
Residential RBSL - Indoor Air Impact			180	30,000	76,000	210,000	150	2,700	440	--	--	--	--	--	--	--	1,700	130,000	890	43,000	NE	NE	
Commercial RBSL - Indoor Air Impact			390	89,000	220,000	210,000	530	7,700	1,500	--	--	--	--	--	--	--	5,700	1,700,000	3,100	140,000	NE	NE	
Previous SCI Samples																							
Tank 1 Bottom	2/25/2002	--	<130	<130	<130	<130	<130	<130	<130	<130	<130	<130	230	<130	<130	<130	<130	<130	<130	<130	<130	<130	
Tank 2 Bottom	2/25/2002	--	<250	<250	<250	<250	<250	<250	<250	<250	<250	300	680	290	370	550	<250	<250	<250	<250	<250	<250	
Tank 3 Bottom	2/25/2002	--	<250	<250	<250	<250	310	<250	<250	<250	570	680	1,600	960	930	1,500	<250	<250	<250	<250	<250	<250	
Tank 4 Bottom	2/25/2002	--	<250	<250	<250	<250	<250	<250	<250	740	1,700	<250	840	2,100	940	1,900	660	<250	<250	<250	<250	<250	
E End @ 6'	2/25/2002	6.0	<250	<250	<250	950	<250	<250	<250	1,300	3,200	<250	<250	1,700	920	2,400	<250	<250	<250	<250	<250	<250	
W End @ 6'	2/25/2002	6.0	<250	<250	<250	<250	<250	<250	<250	520	1,300	1,100	<250	1,700	890	1,700	<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	<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	<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	5,600	16,000	**25,000**	**63,000**	13,000	9,900	14,000	<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	4,100	11,000	17,000	47,000	9,600	8,500	1,000	<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	<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	<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	1,600	2,100	<420	510	<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	8,500	24,000	**46,000**	**100,000**	30,000	27,000	<3,100	<3,100	<3,100	<3,100	<3,100	<3,100	<3,100	

Abbreviations and Methods:

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 RBSL = Table B-1 - Risk Based Screening Level Components for Surface Soil (Potentially Impacted Groundwater is not a Current or Potential Source of Drinking Water) for residential reuse for established by the SFBRWQCB, Interim Final December 2001. (The risk driver is shown in parentheses.)

Commercial RBSL = Table B-2 - Risk Based Screening Level Components for Surface Soil (Potentially Impacted Groundwater is not a Current or Potential Source of Drinking Water) for commercial/industrial reuse for established by the SFBRWQCB, Interim Final December 2001. (The risk driver is shown in parentheses.)

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

-- = RBSL or PRG not established

iai = indoor air impacts

sl = soil leaching

NE = not established

Notes:

a = Vinyl Chloride: 18 ug/kg

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

Boring ID *TOC* *(ft*)*	Date Sampled	Groundwater Elevation (ft)	Depth to Water (ft)	TPHmo	TPHd	TPHss	TPHg	TPHnap	Notes
				←		ug/L		→	
RBSL - Potential Drinking Water Source (risk driver)				100 (human toxicity)	100 (human toxicity)	100 (human toxicity)	100 (human toxicity)	100 (human toxicity)	
RBSL - Not a Potential Drinking Water Source (risk driver)				640 (aquatic life protection)	640 (aquatic life protection)	640 (aquatic life protection)	500 (aquatic life protection)	500 (aquatic life protection)	
RBSL - Indoor Air Impact				NE	NE	NE	NE	NE	
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	---	

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

Boring ID / TOC (ft*)	Date Sampled	Groundwater Elevation (ft)	Depth to Water (ft)	TPHmo	TPHd	TPHss	TPHg	TPHnap	Notes
				← ug/L →					
RBSL - Potential Drinking Water Source (risk driver)				100 (human toxicity)	100 (human toxicity)	100 (human toxicity)	100 (human toxicity)	100 (human toxicity)	
RBSL - Not a Potential Drinking Water Source (risk driver)				640 (aquatic life protection)	640 (aquatic life protection)	640 (aquatic life protection)	500 (aquatic life protection)	500 (aquatic life protection)	
RBSL - Indoor Air Impact				NE	NE	NE	NE	NE	
Previous SCI Samples									
Interior	2/20/2002	---	---	---	**94,000**	**13,000**	**21,000**	**11,000**	
Exterior	2/25/2002	---	---	---	**82,000**	**42,000**	**66,000**	**34,000**	

Abbreviations:

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.

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

Notes:

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

RBSL - Potential Drinking Water Source = Table F-1 - Components for Groundwater Screening Levels (Groundwater is a Current or Potential Drinking Water Resource) established by the SFBRWQCB, Interim Final December 2001. (The risk driver is shown in parentheses.)

RBSL - Not A Potential Drinking Water Source = Table F-2 - Components for Groundwater Screening Levels (Groundwater is not a Current or Potential Drinking Water Resource) established by the SFBRWQCB, Interim Final December 2001. (The risk driver is shown in parentheses.)

NE = not established

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

Boring ID (TOC) (ft*)	Date Sampled	Groundwater Elevation (ft)	Depth to Water (ft)	Benzene	Toulene	Ethylbenzene	Xylenes	Tetrachloroethete	cis-1,2-Dichloroethene	Trichloroethene	Isopropylbenzene (Cumene)	n-Propylbenzene	1,3,5-Trimethylbenzene	1,2,4-Trimethylbenzene	sec-Butylbenzene	4-Isopropyl Toluene	n-Buytlbenzene	Naphthalene	Styrene	Methylene Chloride	Acetone	2-Butanone (MEK)	4-methyl-2-pentanone(MIBK)	Notes
				ug/L																				
RBSL - Potential Drinking Water Source (risk driver)				1.0 (ht)	40 (cv)	30 (cv)	13 (alp)	5.0 (ht)	6.0 (ht)	5.0 (ht)	(600)	(61)	(12)	(12)	(12)	---	(61)	21 (cv)	(1,600)	(4)	700 (ht)	4,200 (ht)	120 (ht)	
RBSL - Not a Potential Drinking Water Source (risk driver)				46 (alp)	130 (alp)	290 (alp)	13 (alp)	120 (alp)	590 (alp)	360 (alp)	--	--	--	--	--	--	--	24 (alp)	--- (alp)	--- (alp)	1,500 (alp)	14,000 (alp)	170 (alp)	
RBSL - Indoor Air Impact				84	76,000	170,000	150,000	170	11,000	750	--	--	--	--	--	--	--	9,200	310,000	5,000	4,600,000	NE	NE	
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	0.60	<0.5	<0.5	<0.5	13	<0.5	<0.5	39	6.8	2.7	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	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<1.0	<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	<0.5	<0.5	<0.5	<0.5	11	<0.5	4.9	5.3	<0.5	<0.5	14	4.4	<0.5	d,e,f,g,h
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	0.63	<0.5	2.1	6.6	<0.5	24	<0.5	7.8	<0.5	<0.5	9.2	1.5	<0.5	i,,j,k,l,m,n
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	<10	<10	20	<10	<10	<10	<10	<200	<20	<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	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	13	1.4	<0.5	
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	<2.5	<2.5	<2.5	8.1	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<25	5.6	<2.5	p,q,s
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	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<1.0	<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	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<1.0	<0.5	

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

Boring ID (TOC) (ft*)	Date Sampled	Groundwater Elevation (ft)	Depth to Water (ft)	Benzene	Toulene	Ethylbenzene	Xylenes	Tetrachloroethene	cis-1,2-Dichloroethene	Trichloroethene	Isopropylbenzene (Cumene)	n-Propylbenzene	1,3,5-Trimethylbenzene	1,2,4-Trimethylbenzene	sec-Butylbenzene	4-Isopropyl Toluene	n-Butylbenzene	Naphthalene	Styrene	Methylene Chloride	Acetone	2-Butanone (MEK)	4-methyl-2-pentanone(MIBK)	Notes
				ug/L																				
RBSL - Potential Drinking Water Source (risk driver)				1.0 (ht)	40 (cv)	30 (cv)	13 (alp)	5.0 (ht)	6.0 (ht)	5.0 (ht)	(600)	(61)	(12)	(12)	(12)	---	(61)	21 (cv)	(1,600)	(4)	700 (ht)	4,200 (ht)	120 (ht)	
RBSL - Not a Potential Drinking Water Source (risk driver)				46 (alp)	130 (alp)	290 (alp)	13 (alp)	120 (alp)	590 (alp)	360 (alp)	--	--	--	--	--	--	--	24 (alp)	--- (alp)	--- (alp)	1,500 (alp)	14,000 (alp)	170 (alp)	
RBSL - Indoor Air Impact				84	76,000	170,000	150,000	170	11,000	750	--	--	--	--	--	--	--	9,200	310,000	5,000	4,600,000	NE	NE	
Previous SCI Samples																								
Interior	2/20/2002	---	---	**47**	<5.0	9.4	**114**	<5.0	<5.0	<5.0	44	**91**	**180**	**330**	**44**	40	40	<5.0	<5.0	<5 0	23	<5.0	<5.0	
Exterior	2/20/2002	---	---	<7.1	<7.1	<7.1	**24**	83	9.6	<7.1	10	29	**62**	**150**	**26**	36	41	<7.1	<7.1	<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

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

h = Vinyl Chloride: 0.90 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

n = Vinyl Chloride: 1.3 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

s = Vinyl Chloride: 45 ug/L

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

RBSL - Potential Drinking Water Source = Table F-1 - Components for Groundwater Screening Levels (Groundwater is a Current or Potential Drinking Water Resource) established by the SFBRWQCB, Interim Final December 2001. (The risk driver is shown in parentheses.)

RBSL - Not A Potential Drinking Water Source = Table F-2 - Components for Groundwater Screening Levels (Groundwater is not a Current or Potential Drinking Water Resource) established by the SFBRWQCB, Interim Final December 2001. (The risk driver is shown in parentheses.)

(600) = No RBSL published for component. The value presented is from EPA's Preliminary Remediation Goals (PRG), 2000, with tap water as the risk driver.

cv = ceiling value (odors, etc,)

ht = human toxicity

alp = aquatic life protection

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ATTACHMENT A

Field Activity Descriptions

APPENDIX A

FIELD ACTIVITY DESCRIPTIONS

November 2002 Subsurface Investigation

Field activities completed during the installation of temporary monitoring wells SB-1 through SB-11 are presented below. The discussion is organized according to the nature of the individual activity.

Field Activities

Drilling Date: November 25, 2002.

Personnel Present: Cambria Geologists Ian Young and Matt Meyers conducted the field activities under the supervision of Bob Clark-Riddell, Professional Engineer.

Permits: Alameda County Public Works Drilling Permit Number W02-1147. City of Oakland Excavation Permits Numbers X0201205 and X0201206 (Attachment C).

Drilling Company: Vironex of San Leandro, California (C-57 License No. 705927).

Drilling Method: The borings were advanced by a hydraulic, direct-push drilling rig.

Number of Borings: Eleven (SB-1 through SB-11) (Figure 2).

Boring Depths: Soil borings were advanced to depths of 8 to 36 ft below ground surface (bgs).

Soil Sampling: Soil samples were collected from all of the borings at selected depths during drilling, and were classified according to the Unified Soil Classification System (USCS) (Attachment D).

Soil Lithology: The site subsurface soils generally consisted of approximately 1-3 ft of sandy gravel fill underlain by intermittent clayey silts, silty clays, clayey silts, and silty sands to a total depth explored of 36 ft bgs (Attachment D).

Well Materials: Temporary wells SB-1 through SB-11 were constructed of one-inch diameter, 0.010-inch slotted, schedule 40 PVC well screen and well casing (Attachment D).

Depth to Water: Groundwater was first encountered in the borings at depths ranging from 3.5 to 23 ft bgs. At approximately 5:00 pm on November 25, 2002, groundwater was gauged in each temporary

well (Attachment F). Depth to water ranged from approximately 3.45 to 29.30 ft bgs.

Well Sampling: On November 26, 2002, Cambria gauged and sampled each temporary well (Attachment F). Depth to water ranged from approximately 3.40 to 23.95 ft bgs.

Chemical Analyses: McCampbell Analytical of Pacheco, California analyzed selected soil and groundwater samples for: TPH as motor oil and diesel by EPA Method 8015 with silica gel cleanup; TPH as gas, stoddard solvent, and naphtha by EPA Method 8015m/8020; and VOCs by EPA Method 8260. Soil samples were also analyzed for total lead by EPA Method 7421. Analytical results are presented as Attachment H.

Soil Disposal: Soil cuttings generated during drilling were temporarily stored onsite in sealed and labeled DOT-approved, 55-gallon drums, pending transportation to an approved disposal.

Water Disposal: Drilling equipment rinseate was temporarily stored onsite in a sealed and labeled DOT-approved, 55-gallon drum, pending transportation to an approved disposal facility.

Well Surveying: Virgil Chavez, licensed land surveyor, of Vallejo, California, surveyed the elevations of the well casings relative to vertical datum NAVD88 on November 26, 2002. Well survey elevation data is presented as Attachment G.

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ATTACHMENT B

Standard Field Procedures for Geoprobe® Sampling and Temporary Monitoring Wells

STANDARD FIELD PROCEDURES FOR GEOPROBE® SAMPLING AND TEMPORARY WELL INSTALLATION

This document describes Cambria Environmental Technology's standard field methods for drilling and sampling soil borings with a GeoProbe®, and installing and sampling temporary groundwater monitoring wells. These procedures are designed to comply with Federal, State and local regulatory guidelines. Specific field procedures are summarized below.

DRILLING AND SAMPLING SOIL BORINGS

Objectives

Soil samples are collected to characterize subsurface lithology, assess whether the soils exhibit obvious hydrocarbon or other compound vapor odor or staining, estimate ground water depth and quality, and to collect samples for analysis at a State-certified laboratory.

Soil Classification/Logging

All soil samples are classified according to the Unified Soil Classification System by a trained geologist or engineer working under the supervision of a California Registered Geologist (RG), Certified Engineering Geologist (CEG), or Professional Engineer (PE). The following soil properties are noted for each soil sample:

- Principal and secondary grain size category (i.e., sand, silt, clay or gravel);
- Approximate percentage of each grain size category;
- Color;
- Approximate water or separate-phase hydrocarbon saturation percentage;
- Observed odor and/or discoloration;
- Other significant observations (i.e., cementation, presence of marker horizons, mineralogy); and
- Estimated permeability.

Soil Sampling

GeoProbe® soil samples are collected from borings using hydraulic push technologies. Soil samples (a minimum of 1 ½ feet of the soil column) are collected at least every five feet of drilled depth to characterize the subsurface sediments and for possible laboratory analysis. Additional soil samples can be collected near the water table and at lithologic changes. Samples are collected using samplers lined with polyethylene or brass tubes driven into undisturbed sediments at the bottom of the borehole. The ground surface immediately adjacent to the boring is used as a datum to measure sample depth. The horizontal location of each boring is measured in the field relative to a permanent on-site reference using a measuring wheel or tape measure.

Drilling equipment is steam-cleaned or washed prior to drilling and between borings to prevent cross-contamination. Sampling equipment is washed between samples with trisodium phosphate or an equivalent EPA-approved detergent.

Sample Storage, Handling and Transport

Sampling tubes chosen for analysis are trimmed of excess soil and capped with Teflon® tape and plastic end caps and sealed in an individual zip-lock bag. Soil samples are labeled and stored at or below 4°C on either crushed or dry ice, depending upon local regulations. Samples are transported under chain-of-custody to a State-certified analytic laboratory.

Field Screening

After a soil sample has been collected, soil from the remaining tubing is placed inside a sealed plastic bag and set aside to allow hydrocarbons to volatilize from the soil. After ten to fifteen minutes, a photoionization detector measures volatile hydrocarbon vapor concentrations in the bag's headspace, extracting the vapor through a slit in the plastic bag. The measurements are used along with the field observations, odors, stratigraphy, and ground water depth to select soil samples for laboratory analysis.

Grab Groundwater Sampling

Ground water samples are collected from the open borehole using bailers, by advancing disposable Tygon® tubing into the borehole and extracting ground water using a diaphragm pump, or by using a hydro-punch style sampler with a bailer or tubing. The ground water samples are decanted into the appropriate containers supplied by the analytic laboratory. Samples are labeled, placed in protective foam sleeves, stored on crushed ice at or below 4°C, and transported under chain-of-custody to the laboratory.

Duplicates and Blanks

Blind duplicate water samples are usually collected only for monitoring well sampling programs, at a rate of one blind sample for every 10 wells sampled. Laboratory-supplied trip blanks accompany samples collected for all sampling programs to check for cross-contamination caused by sample handling and transport. These trip blanks are analyzed if the internal laboratory quality assurance/quality control (QA/QC) blanks contain the suspected field contaminants. An equipment blank may also be analyzed if non-dedicated sampling equipment is used.

Grouting

If the borings are not completed as wells, the borings are filled to the ground surface with cement grout poured or pumped through a tremie pipe. When required by local regulations, the borings are abandoned using chipped or pellitized bentonite.

TEMPORARY WELL INSTALLATION

Groundwater monitoring wells are installed in soil borings to monitor groundwater quality and determine the groundwater elevation, flow direction, and gradient. Well depths and screen lengths are based on groundwater depth, occurrence of hydrocarbons or other compounds in the borehole, stratigraphy, and State and local regulatory guidelines. Well screens typically extend 10 to 15 feet below and 5 feet above the static water level at the time of drilling. The well screen will generally not extend into or through a clay layer that is at least three feet thick.

For temporary wells installed with a GeoProbe, the wells are typically constructed using a 3/4-inch diameter slotted PVC piping, or prepacked well screens.

For temporary wells installed with GeoProbe prepacked well screens, a 2-inch rod casing with an expendable point is advanced to the desired depth, prior to well installation. The 3-foot length screened well sections are then threaded together with the associated PVC riser and placed through the 2-inch inside diameter rod casing. The temporary well is typically comprised of a stainless steel exterior and ¾-inch diameter schedule-80 PVC screen inner core that is coupled together to create the desired filtered well length. Screen slot size varies according to the sediments screened, but slots are generally 0.010 or 0.020 inches wide.

For temporary wells installed without a prepacked well screen, a sand pack is typically added after well installation. To begin, the drilling device is advanced to the desired depth, prior to well installation. The drill is then removed from the boring. The 3 to 5 foot length screened well sections are then threaded together with the associated PVC riser. The temporary well is typically comprised of 1-inch diameter schedule-40 PVC screen that is coupled together to create the desired filtered well length. Screen slot size varies according to the sediments screened, but slots are generally 0.010 or 0.020 inches wide. After installing the well a rinsed and graded sand is added by rotating the well so as to allow sand to occupy the annular space between the boring and the well. Typically sand is added to about one to two ft above the well screen. A hydrated bentonite seal is then added to surface. When specified, sand pack and a bentonite seal are not used.

Well-heads are secured by locking well-caps inside traffic-rated vaults finished flush with the ground surface. A stovepipe may be installed between the well-head and the vault cap for additional security.

Well Development

If the temporary wells are developed prior to sampling, they are generally developed using a combination of groundwater surging and extraction. Surging agitates the ground water and dislodges fine sediments from the sand pack. After about ten minutes of surging, groundwater is extracted from the well using bailing, pumping, and/or reverse air-lifting through an educator pipe to remove the sediments from the well. Surging and extraction continue until at least ten well-casing volumes of groundwater are extracted and the sediment volume in the ground water is negligible. This process usually occurs prior to installing the sanitary surface seal to ensure sand pack stabilization. If development occurs after surface seal installation, then development occurs 24 to 72 hours after seal installation to ensure that the Portland cement has set up correctly.

All equipment is steam-cleaned prior to use and air used for air-lifting is filtered to prevent oil entrained in the compressed air from entering the well. Wells that are developed using air-lift evacuation are not sampled until at least 24 hours after they are developed.

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ATTACHMENT C

Permits

ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION
399 ELMHURST ST. HAYWARD CA. 94544-1395
PHONE (510) 670-6633 James Yue
FAX (510)782-1939

APPLICANTS: PLEASE ATTACH A SITE MAP FOR ALL DRILLING PERMIT APPLICATIONS
DESTRUCTION OF WELLS OVER 45 FEET REQUIRES A SEPARATE PERMIT APPLICATION

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

LOCATION OF PROJECT
1137-1167 65th Street, Oakland CA

CLIENT
Name Nady Systems – John Nady
Address 6701 Shellmound Street Phone 510-652-2411
City Oakland CA Zip 94608

APPLICANT
Name Cambria Environmental Technology, Inc.
Fax 510-420-9170
Address 1144 65th Street, Suite B Phone 510-420-0700
City Oakland CA Zip 94608

TYPE OF PROJECT

Well Construction		Geotechnical Investigation	X
Cathodic Protection	☐	General	☐
Water Supply	☐	Contamination	☐
Monitoring	☐	Well Destruction	☐

PROPOSED WATER SUPPLY WELL USE

New Domestic	☐	Replacement Domestic	☐
Municipal	☐	Irrigation	☐
Industrial	☐	Other	☐

DRILLING METHOD:

Mud Rotary	☐	Air Rotary	☐	Auger	☐
Cable	☐	Other			

DRILLER'S NAME Vironex

DRILLER'S LICENSE NO. 705927

WELL PROJECTS
Drill Hole Diameter ____ in. Maximum
Casing Diameter ____ in Depth ____ ft.
Surface Seal Depth ____ ft Owner's Well Number ____

GEOTECHNICAL PROJECTS
Number of Borings 11 Maximum
Hole Diameter 2 in. Depth 15 ft.

ESTIMATED STARTING DATE 11/25/02
ESTIMATED COMPLETION DATE 11/26/02

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.

APPLICANT'S SIGNATURE [signature] DATE 11/20/02

PLEASE PRINT NAME Jon Young for Cambria

Rev.5-13-00

FOR OFFICE USE
PERMIT NUMBER W02-1147
WELL NUMBER
APN

PERMIT CONDITIONS
Circled Permit Requirements Apply

A. GENERAL
1. A permit application should be submitted so as to arrive at the ACPWA office five days prior to proposed starting date.
2. Submit to ACPWA within 60 days after completion of permitted original Department of Water Resources-Well Completion Report.
3. Permit is void if project not begun within 90 days of approval date

B. WATER SUPPLY WELLS
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.

C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.

D. GEOTECHNICAL
Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings.

E. CATHODIC
Fill hole anode zone with concrete placed by tremie.

F. WELL DESTRUCTION
Send a map of work site. A separate permit is required for wells deeper than 45 feet.

G. SPECIAL CONDITIONS

NOTE: One application must be submitted for each well or well destruction. Multiple borings on one application are acceptable for geotechnical and contamination investigations.

APPROVED [signature] DATE 11-15-02

CITY OF OAKLAND
Office of Planning and Building

EXCAVATION PERMIT

TO EXCAVATE IN STREETS OR OTHER SPECIFIED WORK

CIVIL ENGINEERI

PERMIT NUMBER	SITE ADDRESS/LOCATION
X020/1205	1167 65TH ST.
APPROX. START DATE / APPROX. END DATE	24-HOUR EMERGENCY PHONE NUMBER (Permit not valid without 24-Hour number)
CONTRACTOR'S LICENSE # AND CLASS 705927	CITY BUSINESS TAX #

ATTENTION:

1- State law requires that the contractor/owner call Underground Service Alert (USA) two working days before excavating. This permit is not valid unless applicant has secured an inquiry identification number issued by USA. The USA telephone number is 1-800-642-2444. Underground Service Alert (USA) # _____

2- **48 hours prior to starting work, you MUST CALL (510) 238-3651 to schedule an inspection.**

3- **48 hours prior to re-paving, a compaction certificate is required (waived for approved slurry backfill).**

OWNER/BUILDER

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5 Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License law Chapter 9 (commencing with Sec. 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than $500):

☐ I, as an owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale).

☐ I, as owner of the property, am exempt from the sale requirements of the above due to: (1) I am improving my principal place of residence or appurtenances thereto, (2) the work will be performed prior to sale, (3) I have resided in the residence for the 12 months prior to completion of the work, and (4) I have not claimed exemption on this subdivision on more than two structures more than once during any three-year period. (Sec. 7044 Business and Professions Code).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License law).

☐ I am exempt under Sec. _____, B&PC for this reason _____.

WORKER'S COMPENSATION

☐ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Worker's Compensation Insurance, or a certified copy thereof (Sec. 3700, Labor Code).

Policy # _____ Company Name _____

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Worker's Compensation Laws of California (not required for work valued at one hundred dollars ($100) or less).

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked. This permit is issued pursuant to all provisions of Title 12 Chapter 12.12 of the Oakland Municipal Code. It is granted upon the express condition that the permittee shall be responsible for all claims and liabilities arising out of work performed under the permit or arising out of permittee's failure to perform the obligations with respect to street maintenance. The permittee shall, and by acceptance of the permit agrees to defend, indemnify, save and hold harmless the City, its officers and employees, from and against any and all suits, claims, or actions brought by any person for or on account of any bodily injuries, disease or illness or damage to persons and/or property sustained or arising in the construction of the work performed under the permit or in consequence of permittee's failure to perform the obligations with respect to street maintenance. This permit is void 90 days from the date of issuance unless an extension is granted by the Director of the Office of Planning and Building.

I hereby affirm that I am licensed under provisions of Chapter 9 of Division 3 of the Business and Professions Code and my license is in full force and effect (if contractor), that I have read this permit and agree to its requirements, and that the above information is true and correct under penalty of law.

X _____ for Vinod — 11-21-02

Signature of Permittee ☐ Agent for ☐ Contractor ☐ Owner — Date

DATE STREET LAST RESURFACED	SPECIAL PAVING DETAIL REQUIRED? ☐ YES ☐ NO	HOLIDAY RESTRICTION? (NOV 1 - JAN 1) ☐ YES ☐ NO	LIMITED OPERATION AREA? (7AM-9AM & 4PM-6PM) ☐ YES ☐ NO
ISSUED BY		DATE ISSUED 11-21-02	

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CITY OF OAKLAND
Office of Planning and Building

EXCAVATION PERMIT

TO EXCAVATE IN STREETS OR OTHER SPECIFIED WORK

CIVIL ENGINEERING

PAGE 2 of 2

PERMIT NUMBER	SITE ADDRESS/LOCATION
X020 1206	1137-1167 65th St. Oakland 94608
APPROX. START DATE: 11/25/02 / APPROX. END DATE: 11/26/02	24-HOUR EMERGENCY PHONE NUMBER (Permit not valid without 24-Hour number): 446-1408
CONTRACTOR'S LICENSE # AND CLASS: 705927	CITY BUSINESS TAX #: 1247727

ATTENTION:

1- State law requires that the contractor/owner call Underground Service Alert (USA) two working days before excavating. This permit is not valid unless applicant has secured an inquiry identification number issued by USA. The USA telephone number is 1-800-642-2444. Underground Service Alert (USA) # 479836

2- **48 hours prior to starting work, you MUST CALL (510) 238-3651 to schedule an inspection.**

3- **48 hours prior to re-paving, a compaction certificate is required (waived for approved slurry backfill).**

OWNER/BUILDER

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5 Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License law Chapter 9 (commencing with Sec. 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than $500):

☐ I, as an owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale).

☐ I, as owner of the property, am exempt from the sole requirements of the above due to: (1) I am improving my principal place of residence or appurtenances thereto, (2) the work will be performed prior to sale, (3) I have resided in the residence for the 12 months prior to completion of the work, and (4) I have not claimed exemption on this subdivision on more than two structures more than once during any three-year period. (Sec. 7044 Business and Professions Code).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project, (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License law).

☐ I am exempt under Sec. _____, B&PC for this reason _____.

WORKER'S COMPENSATION

☑ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Worker's Compensation Insurance, or a certified copy thereof (Sec. 3700, Labor Code).

Policy # WC 6084469 6254335 Company Name Vironex

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Worker's Compensation Laws of California (not required for work valued at one hundred dollars ($100) or less).

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked. This permit is issued pursuant to all provisions of Title 12 Chapter 12.12 of the Oakland Municipal Code. It is granted upon the express condition that the permittee shall be responsible for all claims and liabilities arising out of work performed under the permit or arising out of permittee's failure to perform the obligations with respect to street maintenance. The permittee shall, and by acceptance of the permit agrees to defend, indemnify, save and hold harmless the City, its officers and employees, from and against any and all suits, claims, or actions brought by any person for or on account of any bodily injuries, disease or illness or damage to persons and/or property sustained or arising in the construction of the work performed under the permit or in consequence of permittee's failure to perform the obligations with respect to street maintenance. This permit is void 90 days from the date of issuance unless an extension is granted by the Director of the Office of Planning and Building.

I hereby affirm that I am licensed under provisions of Chapter 9 of Division 3 of the Business and Professions Code and my license is in full force and effect (if contractor), that I have read this permit and agree to its requirements, and that the above information is true and correct under penalty of law.

Signature of Permittee: for Vironex ☐ Agent ☒ Contractor ☐ Owner — Date: 11-21-02

DATE STREET LAST RESURFACED	SPECIAL PAVING DETAIL REQUIRED? ☐ YES ☐ NO	HOLIDAY RESTRICTION? (NOV 1 - JAN 1) ☐ YES ☐ NO	LIMITED OPERATION AREA? (7AM-9AM & 4PM-6PM) ☐ YES ☐ NO
ISSUED BY		DATE ISSUED 11-21-02	

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CAMBRIA

ATTACHMENT D

Soil Boring Logs

Cambria Environmental Technology, Inc.
1144 - 65th St.
Oakland, CA 94608
Telephone: (510) 420-0700
Fax: (510) 420-9170

BORING/WELL LOG

CLIENT NAME	Nady Systems	**BORING/WELL NAME**	SB-1
JOB/SITE NAME	Nady Systems	**DRILLING STARTED**	25-Nov-02
LOCATION	1137-1167 65th Street, Oakland, California	**DRILLING COMPLETED**	26-Nov-02
PROJECT NUMBER	522-1000	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Vironex	**GROUND SURFACE ELEVATION**	39 ft above msl
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2 inches	**SCREENED INTERVAL**	NA
LOGGED BY	I. Young	**DEPTH TO WATER (First Encountered)**	3.5 ft (25-Nov-02)
REVIEWED BY	R. Clark-Riddell, PE# 49629	**DEPTH TO WATER (Static)**	3.45 ft (25-Nov-02)
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
							CONCRETE	0.5	Portland Type I/II Cement
		SB-1- 3.5		5			**Sandy Gravelly FILL**: Grey; dry; 10% silt, 60% medium- to coarse-grained sand, 30% fine to medium gravel; high estimated permeability. @ 3.0 ft: Brick fragments. @ 3.5 ft: Wet.		
		SB-1- 7.5							
				10			@ 9 ft: **Gravelly FILL**: 30% coarse-grained sand, 70% fine to medium gravel.	10.5	
		SB-1- 11.5			ML		**Sandy SILT** (ML): Orangish brown; damp; 5% clay, 60% silt, 35% fine-grained sand; moderate estimated permeability.	12.0	Bottom of Boring @ 12 ft

WELL LOG (PID) H:\SB-2004 (UST FUND)\NADY\NADY.GPJ DEFAULT.GDT 1/28/03

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BORING/WELL LOG

CLIENT NAME	Nady Systems	**BORING/WELL NAME**	SB-2
JOB/SITE NAME	Nady Systems	**DRILLING STARTED**	25-Nov-02
LOCATION	1137-1167 65th Street, Oakland, California	**DRILLING COMPLETED**	26-Nov-02
PROJECT NUMBER	522-1000	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Vironex	**GROUND SURFACE ELEVATION**	41 ft above msl
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2 inches	**SCREENED INTERVAL**	NA
LOGGED BY	I. Young	**DEPTH TO WATER (First Encountered)**	NA ▽
REVIEWED BY	R. Clark-Riddell, PE# 49629	**DEPTH TO WATER (Static)**	29.50 ft (25-Nov-02) ▼
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
							ASPHALT	0.2	
							Sandy Gravelly FILL: Black; dry; 10% silt, 70% sand, 20% fine gravel; high estimated permeability.	1.5	
					ML		**SILT** (ML): Dark brown; dry; 10% clay, 80% silt, 10% fine-grained sand; low estimated permeability. @ 3.0 ft: **SILT with Sand**: Damp; 10% clay, 70% silt, 20% fine-grained sand.		
		SB-2- 3.5		5				5.0	
					CL		**Silty CLAY** (CL): Brown; dry; 60% clay, 35% silt, 5% fine-grained sand; low plasticity; low estimated permeability.	7.0	
		SB-2- 7.5					**SILT with Sand**: Light brown; dry; 10% clay, 70% silt, 20% fine-grained sand; low estimated permeability. @ 8.5 ft: **Sandy Gravelly SILT**: Orangish brown; 10% clay, 50% silt, 20% medium-grained sand, 20% fine gravel; moderate estimated permeability. @ 9.0 ft: **SILT**: Light brown; 20% clay, 75% silt, 5% fine-grained sand. @ 9.5 ft: **Sandy SILT**: Dark brown; damp; 10% clay, 60% silt, 30% fine-grained sand. @ 10.0 ft: **SILT**: Light brown; 20% clay, 75% silt, 5% fine-grained sand; low estimated permeability. @ 11.0 ft: **Sandy SILT**: Orangish brown; 10% clay, 65% silt, 30% fine- to medium-grained sand; moderate estimated permeability.. @ 13 ft: Dark brown; 5% clay, 60% silt, 35% fine-grained sand; low to moderate estimated permeability. @ 13.5 ft: **Sandy Gravelly SILT**: Orangish brown; 5% clay, 60% silt, 25% fine-grained sand, 10% fine gravel; moderate estimated permeability.		
		SB-2- 11.5		10	ML				
		SB-2- 14.5		15				19.0	◄ Portland Type I/II Cement
		SB-2- 17.5					@ 14 ft: **Sandy SILT**: Orangish brown; dry; 5% clay, 60% silt, 35% fine-grained sand; low to moderate estimated permeability. @ 17.5 ft: Lenses of black sands observed in sample. @ 18.5 ft: Brown. **Silty CLAY** (CL): Brown; dry; 60% clay, 40% silt; low to medium plasticity; low estimated permeability.		
		SB-2- 21.5		20					
				25	CL		@ 24.0 ft: Moist.		
		SB-2- 27.5					@ 28.0 ft: **Sandy Silty CLAY**: Damp; 50% clay, 20% silt, 30% fine- to medium-grained sand; low to moderate estimated permeability. ▼	30.0	
				30	SM		@ 28.5 ft: **CLAY**: Dry; 80% clay, 20% silt; low estimated permeability.	30.5	
		SB-2- 31.5			SC		**Silty SAND** (SM): Brown; damp; 5% clay, 40% silt, 55% fine- to medium-grained sand; moderate estimated permeability. **Clayey Sand** (SC): Brown; dry; 40% clay, 15% silt, 45% fine- to medium-grained sand; low estimated permeability.		
				35				35.0	

Continued Next Page

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BORING/WELL LOG

CLIENT NAME	Nady Systems	**BORING/WELL NAME**	SB-2
JOB/SITE NAME	Nady Systems	**DRILLING STARTED**	25-Nov-02
LOCATION	1137-1167 65th Street, Oakland, California	**DRILLING COMPLETED**	26-Nov-02

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
		SB-2-35.5			SM		**Silty SAND** (SM): Brown; very damp; 15% clay, 30% silt, 55% fine- to medium-grained sand; moderate estimated permeability.	36.0	Bottom of Boring @ 36 ft

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BORING/WELL LOG

CLIENT NAME	Nady Systems	**BORING/WELL NAME**	SB-3
JOB/SITE NAME	Nady Systems	**DRILLING STARTED**	25-Nov-02
LOCATION	1137-1167 65th Street, Oakland, California	**DRILLING COMPLETED**	26-Nov-02
PROJECT NUMBER	522-1000	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Vironex	**GROUND SURFACE ELEVATION**	41 ft above msl
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2 inches	**SCREENED INTERVAL**	NA
LOGGED BY	I. Young	**DEPTH TO WATER (First Encountered)**	NA ▽
REVIEWED BY	R. Clark-Riddell, PE# 49629	**DEPTH TO WATER (Static)**	NA ▼
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
							ASPHALT	0.2	
							Sandy Gravelly FILL: Black; dry; 10% silt, 70% sand, 20% fine gravel; high estimated permeability.	3.0	
		SB-3- 3.5			CL		**Sandy Silty CLAY** (CL): Dark brown; dry; 50% clay, 20% silt; 30% fine-grained sand; slight plasticity; low estimated permeability.	4.5	
				5	ML		**Sandy SILT** (ML): Very dark brown; very damp; 5% clay, 55% silt, 40% fine-grained sand; moderate estimated permeability.		◄ Portland Type I/II Cement
		SB-3- 7.5			CL		@ 5.0 ft: **Clayey SILT**: Dark brown; damp; 35% clay, 55% silt, 10% fine-grained sand; low estimated permeability.	7.2	
					ML		**CLAY** (CL): Greenish grey; dry; 80% clay, 15% silt, 5% fine-grained sand; low estimated permeability.	8.5	
				10			**Sandy Gravelly SILT** (ML): Greenish grey; dry; 40% silt, 30% fine- to coarse-grained sand, 30% fine gravel; moderate to high estimated permeability.	11.0	
		SB-3- 11.5			CL		**Sandy CLAY** (CL): Brown; dry; 70% clay, 5% silt, 25% fine- to medium-grained sand; low estimated permeability.	12.0	Bottom of Boring @ 12 ft

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BORING/WELL LOG

CLIENT NAME	Nady Systems	**BORING/WELL NAME**	SB-4
JOB/SITE NAME	Nady Systems	**DRILLING STARTED**	25-Nov-02
LOCATION	1137-1167 65th Street, Oakland, California	**DRILLING COMPLETED**	26-Nov-02
PROJECT NUMBER	522-1000	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Vironex	**GROUND SURFACE ELEVATION**	41 ft above msl
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2 inches	**SCREENED INTERVAL**	NA
LOGGED BY	I. Young	**DEPTH TO WATER (First Encountered)**	9.0 ft (25-Nov-02) ▽
REVIEWED BY	R. Clark-Riddell, PE# 49629	**DEPTH TO WATER (Static)**	6.90 ft (25-Nov-02) ▼
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
							ASPHALT	0.3	Portland Type I/II Cement
		SB-4- 3.5		5			**Sandy FILL**: Brown; dry; 100% medium- to coarse-grained sand; high estimated permeability.		
		SB-4- 7.5		10			@ 7.0 ft: Damp. ▼ @ 9.0 ft: Black; wet; dark black staining visible in sample. ▽		
		SB-4- 11.5						12.0	Bottom of Boring @ 12 ft

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BORING/WELL LOG

CLIENT NAME	Nady Systems	**BORING/WELL NAME**	SB-5
JOB/SITE NAME	Nady Systems	**DRILLING STARTED**	25-Nov-02
LOCATION	1137-1167 65th Street, Oakland, California	**DRILLING COMPLETED**	26-Nov-02
PROJECT NUMBER	522-1000	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Vironex	**GROUND SURFACE ELEVATION**	40 ft above msl
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2 inches	**SCREENED INTERVAL**	NA
LOGGED BY	I. Young	**DEPTH TO WATER (First Encountered)**	NA ▽
REVIEWED BY	R. Clark-Riddell, PE# 49629	**DEPTH TO WATER (Static)**	NA ▼
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
							ASPHALT	0.2	
							Gravelly FILL: Dark brown; dry; 40% medium- to coarse-grained sand, 60% fine gravel; high estimated permeability.		
							@ 2.0 ft: **Silty FILL**: 20% clay, 70% silt, 10% fine-grained sand.		
		SB-5- 3.5		5			@ 5.0 ft: **Gravelly FILL**: Grey; 10% silt, 40% fine- to coarse-grained sand, 50% fine gravel.		◄ Portland Type I/II Cement
							@ 6.0 ft: **Sandy Gravelly FILL**: *Mottled brown and green*; 60% medium- to coarse-grained sand, 40% fine gravel.	7.0	
		SB-5- 7.5			SM		**Silty SAND** (SM): *Greenish grey*; dry; 10% clay, 30% silt, 60% fine-grained sand; low to moderate estimated permeability.	8.0	
				10	CL		**Silty CLAY** (CL): Black; dry; 65% clay, 35% silt; low plasticity; low estimated permeability.	10.0	
					SP		@ 8.5 ft: **CLAY**: Greenish grey; 80% clay, 20% silt.	11.5	
		SB-5- 11.5			CL		**Gravelly SAND** (SP): Greenish grey; dry; 5% silt, 60% fine- to coarse-grained sand, 35% fine gravel; high estimated permeability.	12.0	Bottom of Boring @ 12 ft
							CLAY with Sand (CL): Brown; dry; 75% clay, 20% silt, 5% fine-grained sand; moderate plasticity; low estimated permeability.		

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BORING/WELL LOG

CLIENT NAME	Nady Systems	**BORING/WELL NAME**	SB-6
JOB/SITE NAME	Nady Systems	**DRILLING STARTED**	25-Nov-02
LOCATION	1137-1167 65th Street, Oakland, California	**DRILLING COMPLETED**	26-Nov-02
PROJECT NUMBER	522-1000	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Vironex	**GROUND SURFACE ELEVATION**	39 ft above msl
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2 inches	**SCREENED INTERVAL**	NA
LOGGED BY	I. Young	**DEPTH TO WATER (First Encountered)**	NA ▽
REVIEWED BY	R. Clark-Riddell, PE# 49629	**DEPTH TO WATER (Static)**	11.25 ft (25-Nov-02) ▼
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
							ASPHALT	0.2	
							Gravelly FILL: Dark brown; dry; 40% medium- to coarse-grained sand, 60% fine gravel; high estimated permeability.	2.0	
					CL		@ 1.0 ft: **Silty FILL**: 20% clay, 70% silt, 10% fine-grained sand.	3.0	
		SB-6- 3.5			MH		**Silty CLAY** (CL): Dark brown; dry; 60% clay, 35% silt, 5% sand; low plasticity; low estimated permeability.	4.5	
				5	CL		**Clayey SILT** (MH): Greenish grey; damp; 35% clay, 50% silt, 15% fine-grained sand; slight plasticity; low estimated permeability.	6.0	
					ML			6.5	
		SB-6- 7.5			CL		**Silty CLAY** (CL): Greyish green; dry; 70% clay, 25% silt, 5% sand; low plasticity; low estimated permeability.		
							Gravelly SAND (ML): Greyish green; dry; 10% silt, 50% medium- to coarse-grained sand, 40% fine gravel; high estimated permeability.	9.5	
				10	MH		**CLAY** (CL): Greenish grey; dry; 80% clay, 20% silt; medium plasticity; low estimated permeability. ▼	11.7	
		SB-6- 11.5			CL		**Clayey SILT** (MH): Greyish green; damp; 40% clay, 60% silt; slight plasticity; low estimated permeability.	12.0	Bottom of Boring @ 12 ft
							CLAY (CL): Orangish brown; dry; 80% clay, 20% silt; medium plasticity; low estimated permeability.		

◄ Portland Type I/II Cement

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BORING/WELL LOG

CLIENT NAME	Nady Systems	**BORING/WELL NAME**	SB-7
JOB/SITE NAME	Nady Systems	**DRILLING STARTED**	25-Nov-02
LOCATION	1137-1167 65th Street, Oakland, California	**DRILLING COMPLETED**	26-Nov-02
PROJECT NUMBER	522-1000	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Vironex	**GROUND SURFACE ELEVATION**	39 ft above msl
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2 inches	**SCREENED INTERVAL**	NA
LOGGED BY	I. Young	**DEPTH TO WATER (First Encountered)**	18.0 ft (25-Nov-02) ▽
REVIEWED BY	R. Clark-Riddell, PE# 49629	**DEPTH TO WATER (Static)**	10.30 ft (25-Nov-02) ▼
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
							ASPHALT	0.2	
							Gravelly FILL: Dark brown; dry; 40% medium- to coarse-grained sand, 60% fine gravel; high estimated permeability.		
							@ 1.0 ft: **Silty FILL**: 20% clay, 70% silt, 10% fine-grained sand.	2.5	
		SB-7- 3.5					**Silty CLAY** (CL): Dark grey; dry; 60% clay, 35% silt, 5% fine-grained sand; slight plasticity; low estimated permeability.		
				5	CL		@ 4.0 ft: Grey		
							@ 6.5 ft: **Sandy Silty CLAY**: 50% clay, 20% silt, 30% fine-grained sand.		
		SB-7- 7.5					@ 7.0 ft: **Silty CLAY** (CL): Grey; dry; 60% clay, 35% silt, 5% fine-grained sand.	9.0	
					ML		**Sandy SILT** (ML): Grey; dry; 10% clay, 55% silt, 30% fine- to medium-grained sand, 5% fien gravel; low to moderate estimated permeability. ▼	10.0	◄ Portland Type I/II Cement
				10	CL		**Silty CLAY** (CL): Grey; dry; 50% clay, 35% silt, 15% fine-grained sand; slight plasticity; low estimated permeability.		
		SB-7- 11.5						13.0	
					SM		**Silty SAND** (SM): Grey; damp; 5% clay, 25% silt, 70% fine- to medium-grained sand; moderate estimated permeability.	13.5	
					CL			15.0	
				15	SM		**Silty CLAY** (CL): Grey; damp; 55% clay, 35% silt, 10% fine-grained sand; slight plasticity; low estimated permeability.	15.5	
		SB-7- 15.5			MH			16.5	
					SM		**Silty SAND** (SM): Grey; damp; 5% clay, 25% silt, 70% fine- to medium-grained sand; moderate estimated permeability. ▽	17.0	
		SB-7- 17.5			CL		**Clayey SILT** (MH): Grey; damp; 30% clay, 65% silt, 5% fine-grained sand; slight plasticity; low estimated permeability.	18.0	Bottom of Boring @ 18 ft
							Silty SAND (SM): Grey; damp; 5% clay, 25% silt, 70% fine- to medium-grained sand; moderate estimated permeability.		
							Silty CLAY (CL): Grey; wet; 50% clay, 35% silt, 15% fine-grained sand; slight plasticity; low estimated permeability.		

WELL LOG (PID) H:\SB-2004 (UST FUND)\NADY\NADY.GPJ DEFAULT.GDT 1/28/03

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BORING/WELL LOG

CLIENT NAME	Nady Systems	**BORING/WELL NAME**	SB-8
JOB/SITE NAME	Nady Systems	**DRILLING STARTED**	25-Nov-02
LOCATION	1137-1167 65th Street, Oakland, California	**DRILLING COMPLETED**	26-Nov-02
PROJECT NUMBER	522-1000	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Vironex	**GROUND SURFACE ELEVATION**	41 ft above msl
DRILLING METHOD	DPT- Badger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2 inches	**SCREENED INTERVAL**	NA
LOGGED BY	M. Meyers	**DEPTH TO WATER (First Encountered)**	7.5 ft (25-Nov-02) ▽
REVIEWED BY	R. Clark-Riddell, PE# 49629	**DEPTH TO WATER (Static)**	4.70 ft (25-Nov-02) ▼
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
							CONCRETE	0.3	
					CL		**Silty CLAY** (CL): Dark brown; moist; 70% clay, 30% silt; high plasticity; low estimated permeability.		
		SB-8- 3						3.0	
				5			**Clayey SAND** (SC): Medium grey; moist; 20% clay, 5% silt, 60% fine- to coarse-grained sand, 5% fine gravel; moderate estimated permeability; blue staining observed in sample. ▼		◄ Portland Type I/II Cement
		SB-8- 6			SC		@ 5.0 ft: **Clayey Gravelly SAND**: Blue grey; 20% clay, 60% medium- to coarse-grained sand, 20% fine to medium gravel. ▽ @ 7.5 ft: Wet.		
		SB-8- 9						9.0	Bottom of Boring @ 9 ft

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BORING/WELL LOG

CLIENT NAME	Nady Systems	**BORING/WELL NAME**	SB-9
JOB/SITE NAME	Nady Systems	**DRILLING STARTED**	25-Nov-02
LOCATION	1137-1167 65th Street, Oakland, California	**DRILLING COMPLETED**	26-Nov-02
PROJECT NUMBER	522-1000	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Vironex	**GROUND SURFACE ELEVATION**	41 ft above msl
DRILLING METHOD	DPT- Badger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2 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)**	25.00 ft (25-Nov-02)
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
							CONCRETE	0.5	
					CL		**Silty CLAY** (CL): Dark brown; moist; 70% clay, 30% silt; high plasticity; low estimated permeability.		
				5					
		SB-9- 6					@ 5.5 ft: **Sandy CLAY**: Medium brown; wet; 60% clay, 10% silt; 30% fine-grained sand; low plasticity; moderate estimated permeability.	7.0	
		SB-9- 9					@ 6.0 ft: **Silty Clay**: Medium brown; damp; 65% clay, 20% silt, 10% fine- to medium-grained sand, 5% fine angular gravel; low plasticity; low estimated permeability.		
				10	ML		**Sandy SILT** (ML): Light brown; damp; 10% clay, 50% silt, 35% fine-grained sand, 5% fine gravel; moderate estimated permeability.		
		SB-9- 12					@ 9.0 ft: Orangish brown.	13.5	
					CL		**Silty CLAY** (CL): Olive grey; damp; 50% clay, 40% silt, 10% fine-grained sand; low plasticity; low to moderate estimated permeability.		◄ Portland Type I/II Cement
		SB-9- 15		15				15.5	
					ML		**Clayey SILT** (Ml): Orangish brown; damp; 30% clay, 60% silt; 10% fine-grained sands; low to moderate estimated permeability.		
		SB-9- 18						19.5	
				20			**Silty CLAY** (CL): Orangish brown; moist; 50% clay, 40% silt, 10% fine-grained sand; moderate plasticity; low to moderate estimated permeability.		
		SB-9- 21							
		SB-9- 24			CL				
				25			▼		
		SB-9- 27						29.0	Bottom of Boring @ 29 ft

WELL LOG (PID) H:\SB-2004 (UST FUND)\NADY\NADY.GPJ DEFAULT.GDT 1/28/03

Cambria Environmental Technology, Inc.
1144 - 65th St.
Oakland, CA 94608
Telephone: (510) 420-0700
Fax: (510) 420-9170

BORING/WELL LOG

CLIENT NAME	Nady Systems	**BORING/WELL NAME**	SB-10
JOB/SITE NAME	Nady Systems	**DRILLING STARTED**	25-Nov-02
LOCATION	1137-1167 65th Street, Oakland, California	**DRILLING COMPLETED**	26-Nov-02
PROJECT NUMBER	522-1000	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Vironex	**GROUND SURFACE ELEVATION**	41 ft above msl
DRILLING METHOD	DPT- Badger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2 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)**	11.60 ft (25-Nov-02)
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
							CONCRETE	0.5	
		SB-10 -3					**Silty CLAY** (CL): Dark brown; moist; 60% clay, 40% silt; high plasticity; low estimatetd permeability.		
							@ 3.0 ft: **Silty CLAY with Sand**: Wet; 50% clay, 40% silt, 10% fine-grained sand; moderate plasticity.		
				5					
		SB-10 -6			CL		@ 6.0 ft: **Silty CLAY**: Blue gray; moist; 70% clay, 30% silt; high plasticity; blue staining noted in sample.		Portland Type I/II Cement
							@ 7.0 ft: **Sandy CLAY**: Light brown; damp; 60% clay, 10% silt, 40% fine-grained sand; slight plasticity; moderate estimated permeability.		
		SB-10 -9					@ 8.0 ft: **Silty CLAY with Sand**: Blue grey; moist; 60% clay, 30% silt, 10% fine-grained sand; moderate plasticity; low estimated permability; blue-green staining noted in sample.		
				10					
		SB-10 -12					@ 9.0 ft: **Gravelly Sandy CLAY**: 45% clay, 10% silt, 25% fine- to coarse-grained sand, 20% fine gravel; moderate estimated permeability.	12.0	Bottom of Boring @ 12 ft
							@ 11.0 ft: **Silty CLAY**: Light brown; moist; 70% clay, 30% silt; high plasticity; low estimated permeability.		

WELL LOG (PID) H:\SB-2004 (UST FUND)\NADY\NADY.GPJ DEFAULT.GDT 1/28/03

Cambria Environmental Technology, Inc.
1144 - 65th St.
Oakland, CA 94608
Telephone: (510) 420-0700
Fax: (510) 420-9170

BORING/WELL LOG

CLIENT NAME	Nady Systems	**BORING/WELL NAME**	SB-11
JOB/SITE NAME	Nady Systems	**DRILLING STARTED**	25-Nov-02
LOCATION	1137-1167 65th Street, Oakland, California	**DRILLING COMPLETED**	26-Nov-02
PROJECT NUMBER	522-1000	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Vironex	**GROUND SURFACE ELEVATION**	42 ft above msl
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2 inches	**SCREENED INTERVAL**	NA
LOGGED BY	I. Young	**DEPTH TO WATER (First Encountered)**	NA
REVIEWED BY	R. Clark-Riddell, PE# 49629	**DEPTH TO WATER (Static)**	29.30 ft (25-Nov-02)
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
							ASPHALT	0.2	
							Sandy Gravelly FILL: Black; dry; 10% silt, 70% sand, 20% fine gravel; high estimated permeability.	2.0	
					ML		**SILT** (ML): Dark brown; dry; 10% clay, 80% silt, 10% fine-grained sand; slight plasticity; low estimated permeability.	3.5	
		SB-11 -3.5			MH		**Clayey SILT** (MH): Black; dry; 30% clay, 75% silt, 5% fine-grained sand; slight to low plasticity; low estimated permeability.	4.5	
				5	CL		**CLAY** (CL): Greenigh grey; dry; 80% clay, 20% silt; moderate plasticity; low estimated permeability. @ 7.0 ft: **Silty CLAY**: Brown; 60% clay, 35% silt, 5% fine-grained sand; slight to low plasticity; low estimated permeability.	8.5	
		SB-11 -7.5			SM		**Silty SAND** (SM): Brown; dry; 10% clay, 40% silt, 50% fine- to medium-grained sand; moderate estimated permeability.	10.0	
				10	SP		**Gravelly SAND** (SP): Dark brown; dry; 5% silt, 65% fine- to coarse-grained sand, 30% fine to medium gravel; high estimated permeability.	11.0	
		SB-11 -11.5			SW		**SAND** (SW): Orangish brown mottled with light brown; dry; 15% silt, 80% medium-grained sand, 5% fine gravel; high estimated permeability.	15.0	◄ Portland Type I/II Cement
		SB-11 -11.5		15			**Silty CLAY** (CL): Orangish brown; moist; 55% clay, 40% silt, 5% fine-grained sand; moderate plasticity; low estimated permeability.		
		SB-11 -19.5		20	CL				
		SB-11 -23.5		25					
					SM		**Silty SAND** (SM): Black; damp; 30% silt, 70% fine- to medium-grained sand; moderate estimated permeability.	28.0 28.5	
		SB-11 -29.5		30	ML		**Sandy SILT** (ML): Brown; damp; 10% clay, 60% silt, 30% fine- to medium-grained sand; slight plasticity; low to moderate estimated permeability.	30.0	Bottom of Boring @ 30 ft

WELL LOG (PID) H:\SB-2004 (UST FUND)\NADY\NADY.GPJ DEFAULT.GDT 1/28/03

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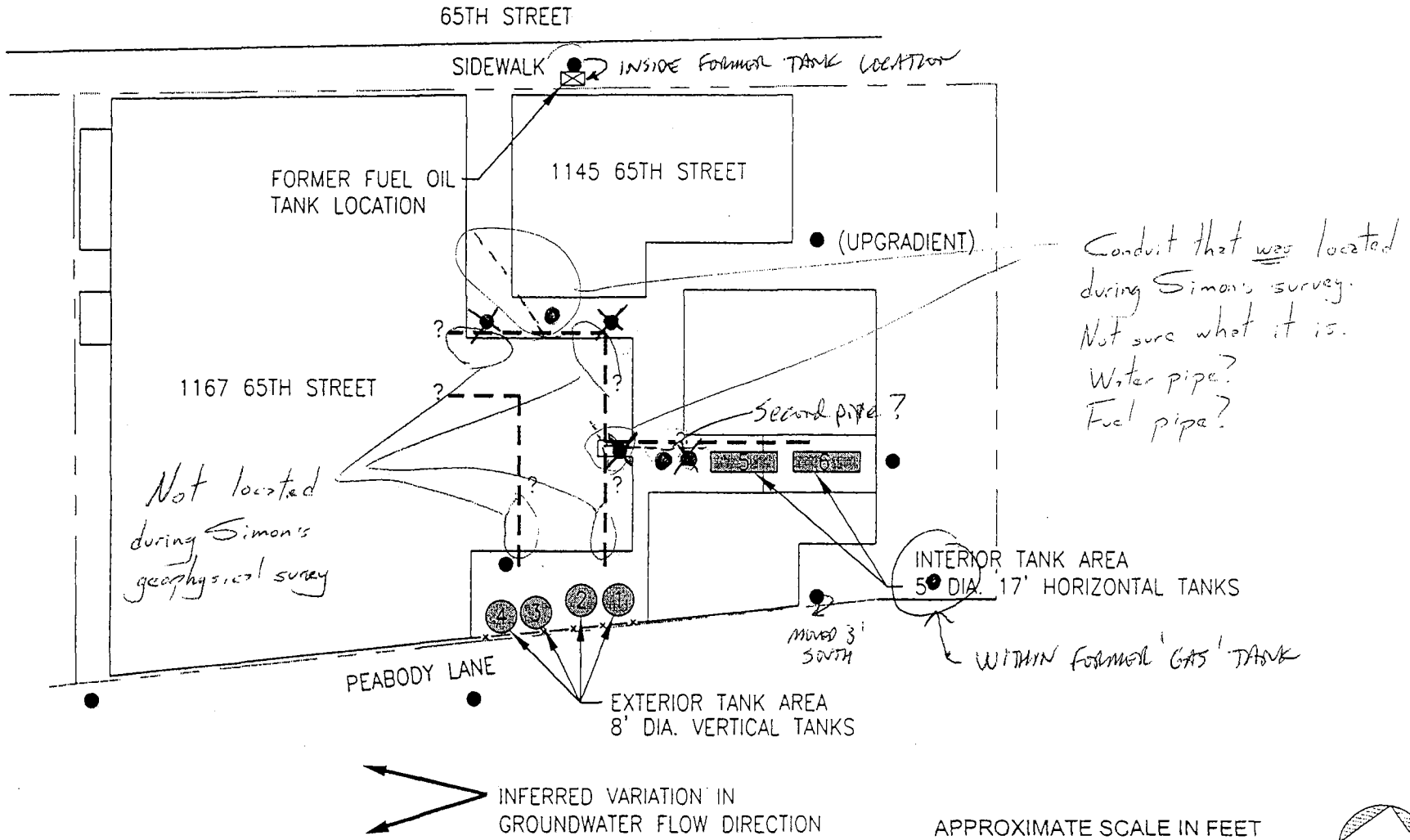
ATTACHMENT E

Geophysical Survey Notes



LEGEND:

- PROPOSED SAMPLE LOCATION
- SUSPECTED PIPELINE LOCATIONS
- PROPOSED DELETION OF SAMPLE LOCATION

SAMPLING LOCATION PLAN

1137-1167 65TH STREET
OAKLAND, CALIFORNIA

Subsurface Consultants, Inc.
Geotechnical & Environmental Engineers

DRAWN BY:	DATE	PLATE
CFY	7/9/02	2
JOB NUMBER	FILE NUMBER:	
855.004	A855.004.02	

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ATTACHMENT F

Groundwater Monitoring Field Data Sheets
and Water Level Graph

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WELL DEPTH MEASUREMENTS

Well ID	Time	Product Depth	Water Depth	Product Thickness	Well Depth	Comments
SB-1	4:55 pm		3.45			
SB-2	4:57 pm		29.50			
SB-3	4:59 pm		—		11.55	Dry
SB-4	5:00 pm		6.9	Sheen/Slight		
SB-5	5:17 pm		—			Dry
SB-6	5:15 pm		11.25			
SB-7	5:13 pm		10.30			
SB-8	5:02 pm		4.70			
SB-9	5:05 pm		25.00			
SB-10	5:07 pm		11.60			
SB-11	5:10 pm		29.30			

Project Name: Neidig System

Project Number: 5.22-1000

Measured By: Im Young

Date: 11/25/02

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WELL DEPTH MEASUREMENTS

Well ID	Time	Product Depth	Water Depth	Product Thickness	Well Depth	Comments
SB-1	8:12 am		3.40			
SB-2	7:53 am		11.65			
SB-3	7:50 am		—		11.55	Dry
SB-4	8:15 am	6.10	6.10	Sheen/globules		
SB-5	8:09 am		—		11.55	Dry
SB-6	8:07 am		7.30			
SB-7	8:05 am		8.40			
SB-8	7:59 am		4.65			
SB-9	7:55 am		23.95	~~Sheen/globules~~		
SB-10	7:58 am		9.75			
SB-11	7:50 am		21.9			

Project Name: Nady Systems

Project Number: 522-1000

Measured By: Ian Young

Date: 11/26/02

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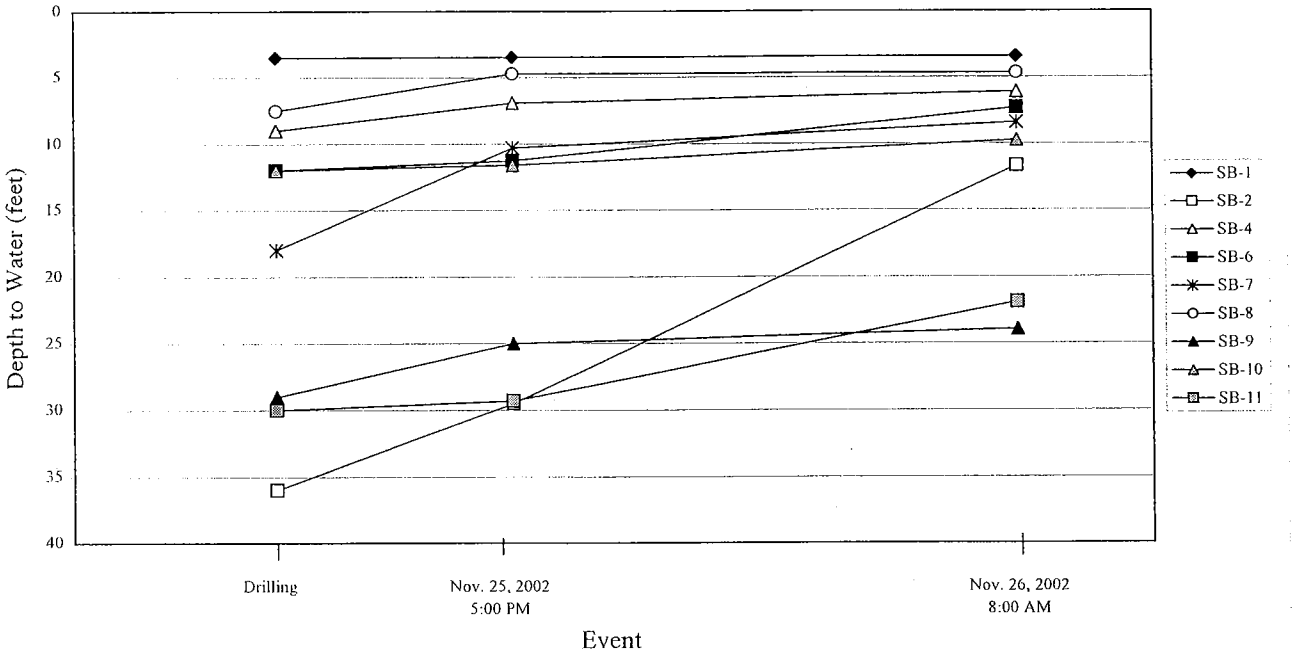
WATER LEVEL MEASUREMENTS

Groundwater Depth Change



	Depth to Groundwater (feet)		
	First Encountered Water Depth	Nov. 25, 2002 5 PM	Nov. 26, 2002 8 AM
SB-1	3.5	3.45	3.40
SB-2	36*	29.50	11.65
SB-4	9	6.90	6.10
SB-6	12*	11.25	7.30
SB-7	18	10.30	8.40
SB-8	7.5	4.70	4.65
SB-9	29*	25.00	23.95
SB-10	12*	11.60	9.75
SB-11	30*	29.30	21.90

* = Assumed depth of first encountered water during drilling.

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ATTACHMENT G

Well Survey Data

Virgil Chavez Land Surveying
312 Georgia Street, Suite 225
Vallejo, California 94590-5907
(707) 553-2476 • Fax (707) 553-8698

December 2, 2002
Project No.: 2111-48

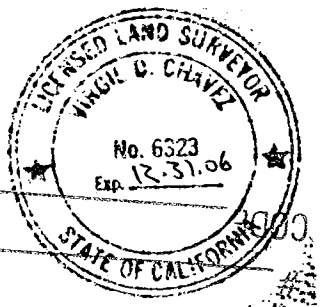
Ian Young
Cambria Environmental
1144-65th Street, Suite C
Oakland, CA 94608

Subject: Monitoring Well Survey
1137-1167 65th Street
Oakland, CA

Dear Ian:

This is to confirm that we have proceeded at your request to survey the ground water monitoring wells located at the above referenced location. The survey was completed on November 26, 2002. The benchmark for this survey was a well monument on Powell St. under the westbound lanes of I-580. The latitude, longitude and coordinates are for top of casings and are based on the California State Coordinate System, Zone III (NAD83). Benchmark Elevation = 13.88 feet (NAVD88).

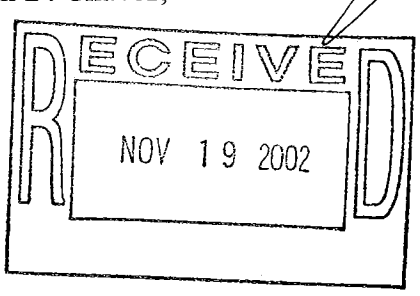
Latitude	Longitude	Northing	Easting	Elev.	Desc.
37.8476448	-122.2868225	2136033.76	6045773.08	38.84	SB-1
37.8475531	-122.2865633	2135998.97	6045847.27	41.11	SB-2
37.8474083	-122.2864445	2135945.56	6045880.56	41.09	SB-3
37.8473723	-122.2863461	2135931.93	6045908.71	40.92	SB-4
37.8472863	-122.2864927	2135901.44	6045865.79	40.18	SB-5
37.8472126	-122.2867650	2135876.09	6045786.67	39.49	SB-6
37.8471584	-122.2869591	2135857.45	6045730.28	38.50	SB-7
37.8474489	-122.2867739	2135962.16	6045785.75	41.00	SB-8
37.8473810	-122.2866536	2135936.80	6045820.02	41.02	SB-9
37.8472863	-122.2867580	2135902.87	6045789.21	40.87	SB-10
37.8474702	-122.2863395	2135967.54	6045911.30	41.45	SB-11



ACCT. CODE
PROJ.
DESC.
PROFIT CENTER
APPROVED
DATE

Sincerely,

Virgil D. Chavez, PLS 6323



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ATTACHMENT H

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	Client Project ID: #522-1000; Nady Systems	Date Sampled: 11/25/02
1144 65th Street, Suite C		Date Received: 11/27/02
Oakland, CA 94608	Client Contact: Ian Young	Date Extracted: 11/27/02
	Client P.O.:	Date Analyzed: 11/28/02-12/03/02

Gasoline(C6-C12) Stoddard Solvent(C9-C12) Range, Volatile Hydrocarbons as Gasoline & Stoddard Solvent*

Extraction method: SW5030B Analytical methods: SW8021B/8015Cm Work Order: 0211485

Lab ID	Client ID	Matrix	TPH(g)	TPH(ss)	DF	% SS
0211485-001A	SB-1-3.5	S	2.6,e,b	1.7	1	---#
0211485-002A	SB-1-7.5	S	ND	ND	1	102
0211485-004A	SB-2-3.5	S	ND	ND	1	97.1
0211485-006A	SB-2-11.5	S	ND	ND	1	108
0211485-014A	SB-3-7.5	S	190,e	180	10	111
0211485-015A	SB-3-11.5	S	ND	ND	1	96.0
0211485-016A	SB-4-3.5	S	ND	ND	1	101
0211485-017A	SB-4-7.5	S	ND	ND	1	98.5
0211485-020A	SB-5-7.5	S	1200,e	1300	33	98.1
0211485-021A	SB-5-11.5	S	ND	ND	1	99.1
0211485-025A	SB-7-3.5	S	810,e	750	200	91.1
0211485-026A	SB-7-7.5	S	380,e	350	100	94.3
0211485-029A	SB-7-17.5	S	890,e	830	200	90.2
0211485-030A	SB-8-3	S	3500,e	3600	200	91.0
0211485-031A	SB-8-6	S	6400,e	6600	200	94.5
0211485-032A	SB-8-9	S	380,e	380	20	96.0
Reporting Limit for DF =1; ND means not detected at or above the reporting limit		W	NA	NA	ug/L	
		S	1.0	1.0	mg/Kg	

*water and vapor samples are reported in µg/L, soil and sludge samples in mg/kg, wipe samples in µg/wipe, and TCLP extracts in µg/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

Edward Hamilton, Lab Director

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; Nady Systems	Date Sampled: 11/25/02
1144 65th Street, Suite C		Date Received: 11/27/02
Oakland, CA 94608	Client Contact: Ian Young	Date Extracted: 11/27/02
	Client P.O.:	Date Analyzed: 11/28/02-12/03/02

Gasoline(C6-C12) Stoddard Solvent(C9-C12) Range, Volatile Hydrocarbons as Gasoline & Stoddard Solvent*

Extraction method: SW5030B Analytical methods: SW8021B/8015Cm Work Order: 0211485

Lab ID	Client ID	Matrix	TPH(g)	TPH(ss)	DF	% SS
0211485-033A	SB-9-6	S	9.5,e	9.4	1	90.6
0211485-034A	SB-9-9	S	ND	ND	1	94.2
0211485-041A	SB-10-3	S	ND	ND	1	99.2
0211485-042A	SB-10-6	S	140,e	140	5	89.8
0211485-043A	SB-10-9	S	180,e	140	20	92.3
0211485-044A	SB-10-12	S	ND	ND	1	105
0211485-046A	SB-11-7.5	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	1.0	mg/Kg	

*water and vapor samples are reported in µg/L, soil and sludge samples in mg/kg, wipe samples in µg/wipe, and TCLP extracts in µg/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

Edward Hamilton, Lab Director

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; Nady Systems	Date Sampled: 11/25/02
1144 65th Street, Suite C		Date Received: 11/27/02
Oakland, CA 94608	Client Contact: Ian Young	Date Extracted: 11/27/02
	Client P.O.:	Date Analyzed: 12/01/02-12/06/02

Diesel (C10-23) and Oil (C18+) Range Extractable Hydrocarbons with Silica Gel Clean-Up*

Extraction method: SW3550C Analytical methods: SW8015C Work Order: 0211485

Lab ID	Client ID	Matrix	TPH(d)	TPH(mo)	DF	% SS
0211485-001A	SB-1-3.5	S	170,g	860	100	116
0211485-002A	SB-1-7.5	S	32,g,b	140	20	92.2
0211485-004A	SB-2-3.5	S	ND	ND	1	84.0
0211485-006A	SB-2-11.5	S	ND	ND	1	82.7
0211485-014A	SB-3-7.5	S	20,n	ND	1	87.0
0211485-015A	SB-3-11.5	S	ND	ND	1	88.9
0211485-016A	SB-4-3.5	S	ND	ND	1	88.1
0211485-017A	SB-4-7.5	S	2.1,g	15	1	109
0211485-020A	SB-5-7.5	S	190,n	5.3	1	87.6
0211485-021A	SB-5-11.5	S	ND	ND	1	106
0211485-025A	SB-7-3.5	S	250,n,b,g	16	1	96.1
0211485-026A	SB-7-7.5	S	79,n	13	1	104
0211485-029A	SB-7-17.5	S	470,n,g	18	1	101
0211485-030A	SB-8-3	S	2500,n	ND<500	100	119
0211485-031A	SB-8-6	S	2900,n	ND<500	100	91.6
0211485-032A	SB-8-9	S	58,n	6.3	1	108
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 and vapor samples are reported in µg/L, wipe samples in ug/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all TCLP / STLC / SPLP extracts 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

Edward Hamilton, Lab Director

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; Nady Systems	Date Sampled: 11/25/02
1144 65th Street, Suite C		Date Received: 11/27/02
Oakland, CA 94608	Client Contact: Ian Young	Date Extracted: 11/27/02
	Client P.O.:	Date Analyzed: 12/01/02-12/06/02

Diesel (C10-23) and Oil (C18+) Range Extractable Hydrocarbons with Silica Gel Clean-Up*

Extraction method: SW3550C Analytical methods: SW8015C Work Order: 0211485

Lab ID	Client ID	Matrix	TPH(d)	TPH(mo)	DF	% SS
0211485-033A	SB-9-6	S	2.8,n	ND	1	102
0211485-034A	SB-9-9	S	ND	ND	1	102
0211485-041A	SB-10-3	S	ND	ND	1	104
0211485-042A	SB-10-6	S	70,n	ND	1	119
0211485-043A	SB-10-9	S	96,n	ND	1	101
0211485-044A	SB-10-12	S	ND	ND	1	103
0211485-046A	SB-11-7.5	S	ND	ND	1	105
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 and vapor samples are reported in µg/L, wipe samples in ug/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all TCLP / STLC / SPLP extracts 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

Edward Hamilton, Lab Director

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Cambria Env. Technology	Client Project ID: #522-1000; Nady Systems	Date Sampled: 11/25/02
1144 65th Street, Suite C		Date Received: 11/27/02
Oakland, CA 94608	Client Contact: Ian Young	Date Extracted: 11/27/02
	Client P.O.:	Date Analyzed: 12/05/02-12/06/02

Volatiles Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0211485

Lab ID	0211485-001A
Client ID	SB-1-3.5
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	50	Benzene	ND	1.0	5.0
Bromobenzene	ND	1.0	5.0	Bromochloromethane	ND	1.0	5.0
Bromodichloromethane	ND	1.0	5.0	Bromoform	ND	1.0	5.0
Bromomethane	ND	1.0	5.0	2-Butanone (MEK)	ND	1.0	10
n-Butyl benzene	9.6	1.0	5.0	sec-Butyl benzene	ND	1.0	5.0
tert-Butyl benzene	ND	1.0	5.0	Carbon Disulfide	ND	1.0	5.0
Carbon Tetrachloride	ND	1.0	5.0	Chlorobenzene	ND	1.0	5.0
Chloroethane	ND	1.0	5.0	2-Chloroethyl Vinyl Ether	ND	1.0	5.0
Chloroform	ND	1.0	5.0	Chloromethane	ND	1.0	5.0
2-Chlorotoluene	ND	1.0	5.0	4-Chlorotoluene	ND	1.0	5.0
Dibromochloromethane	ND	1.0	5.0	1,2-Dibromo-3-chloropropane	ND	1.0	5.0
1,2-Dibromoethane (EDB)	ND	1.0	5.0	Dibromomethane	ND	1.0	5.0
1,2-Dichlorobenzene	ND	1.0	5.0	1,3-Dichlorobenzene	ND	1.0	5.0
1,4-Dichlorobenzene	ND	1.0	5.0	Dichlorodifluoromethane	ND	1.0	5.0
1,1-Dichloroethane	ND	1.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND	1.0	5.0
1,1-Dichloroethene	ND	1.0	5.0	cis-1,2-Dichloroethene	ND	1.0	5.0
trans-1,2-Dichloroethene	ND	1.0	5.0	1,2-Dichloropropane	ND	1.0	5.0
1,3-Dichloropropane	ND	1.0	5.0	2,2-Dichloropropane	ND	1.0	5.0
1,1-Dichloropropene	ND	1.0	5.0	cis-1,3-Dichloropropene	ND	1.0	5.0
trans-1,3-Dichloropropene	ND	1.0	5.0	Ethylbenzene	16	1.0	5.0
Hexachlorobutadiene	ND	1.0	5.0	2-Hexanone	ND	1.0	5.0
Iodomethane (Methyl iodide)	ND	1.0	10	4-Isopropyl toluene	ND	1.0	5.0
Isopropylbenzene	ND	1.0	5.0	4-Methyl-2-pentanone (MIBK)	ND	1.0	5.0
Methylene chloride	ND	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND	1.0	5.0
Naphthalene	36	1.0	5.0	n-Propyl benzene	ND	1.0	5.0
Styrene	ND	1.0	5.0	1,1,1,2-Tetrachloroethane	ND	1.0	5.0
1,1,2,2-Tetrachloroethane	ND	1.0	5.0	Tetrachloroethene	44	1.0	5.0
Toluene	37	1.0	5.0	1,2,3-Trichlorobenzene	ND	1.0	5.0
1,2,4-Trichlorobenzene	ND	1.0	5.0	1,1,1-Trichloroethane	ND	1.0	5.0
1,1,2-Trichloroethane	ND	1.0	5.0	Trichloroethene	ND	1.0	5.0
Trichlorofluoromethane	ND	1.0	5.0	1,2,3-Trichloropropane	ND	1.0	5.0
1,2,4-Trimethylbenzene	40	1.0	5.0	1,3,5-Trimethylbenzene	19	1.0	5.0
Vinyl Acetate	ND	1.0	50	Vinyl Chloride	ND	1.0	5.0
Xylenes	120	1.0	5.0				

Surrogate Recoveries (%)

%SS1:	85.8	%SS2:	102
%SS3:	105		

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.

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.

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1144 65th Street, Suite C		Date Received: 11/27/02
Oakland, CA 94608	Client Contact: Ian Young	Date Extracted: 11/27/02
	Client P.O.:	Date Analyzed: 12/05/02-12/06/02

Volatiles Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0211485

Lab ID	0211485-002A
Client ID	SB-1-7.5
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	50	Benzene	ND	1.0	5.0
Bromobenzene	ND	1.0	5.0	Bromochloromethane	ND	1.0	5.0
Bromodichloromethane	ND	1.0	5.0	Bromoform	ND	1.0	5.0
Bromomethane	ND	1.0	5.0	2-Butanone (MEK)	ND	1.0	10
n-Butyl benzene	ND	1.0	5.0	sec-Butyl benzene	ND	1.0	5.0
tert-Butyl benzene	ND	1.0	5.0	Carbon Disulfide	ND	1.0	5.0
Carbon Tetrachloride	ND	1.0	5.0	Chlorobenzene	ND	1.0	5.0
Chloroethane	ND	1.0	5.0	2-Chloroethyl Vinyl Ether	ND	1.0	5.0
Chloroform	ND	1.0	5.0	Chloromethane	ND	1.0	5.0
2-Chlorotoluene	ND	1.0	5.0	4-Chlorotoluene	ND	1.0	5.0
Dibromochloromethane	ND	1.0	5.0	1,2-Dibromo-3-chloropropane	ND	1.0	5.0
1,2-Dibromoethane (EDB)	ND	1.0	5.0	Dibromomethane	ND	1.0	5.0
1,2-Dichlorobenzene	ND	1.0	5.0	1,3-Dichlorobenzene	ND	1.0	5.0
1,4-Dichlorobenzene	ND	1.0	5.0	Dichlorodifluoromethane	ND	1.0	5.0
1,1-Dichloroethane	ND	1.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND	1.0	5.0
1,1-Dichloroethene	ND	1.0	5.0	cis-1,2-Dichloroethene	ND	1.0	5.0
trans-1,2-Dichloroethene	ND	1.0	5.0	1,2-Dichloropropane	ND	1.0	5.0
1,3-Dichloropropane	ND	1.0	5.0	2,2-Dichloropropane	ND	1.0	5.0
1,1-Dichloropropene	ND	1.0	5.0	cis-1,3-Dichloropropene	ND	1.0	5.0
trans-1,3-Dichloropropene	ND	1.0	5.0	Ethylbenzene	ND	1.0	5.0
Hexachlorobutadiene	ND	1.0	5.0	2-Hexanone	ND	1.0	5.0
Iodomethane (Methyl iodide)	ND	1.0	10	4-Isopropyl toluene	ND	1.0	5.0
Isopropylbenzene	ND	1.0	5.0	4-Methyl-2-pentanone (MIBK)	ND	1.0	5.0
Methylene chloride	ND	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND	1.0	5.0
Naphthalene	150	1.0	5.0	n-Propyl benzene	ND	1.0	5.0
Styrene	ND	1.0	5.0	1,1,1,2-Tetrachloroethane	ND	1.0	5.0
1,1,2,2-Tetrachloroethane	ND	1.0	5.0	Tetrachloroethene	ND	1.0	5.0
Toluene	ND	1.0	5.0	1,2,3-Trichlorobenzene	ND	1.0	5.0
1,2,4-Trichlorobenzene	ND	1.0	5.0	1,1,1-Trichloroethane	ND	1.0	5.0
1,1,2-Trichloroethane	ND	1.0	5.0	Trichloroethene	ND	1.0	5.0
Trichlorofluoromethane	ND	1.0	5.0	1,2,3-Trichloropropane	ND	1.0	5.0
1,2,4-Trimethylbenzene	ND	1.0	5.0	1,3,5-Trimethylbenzene	ND	1.0	5.0
Vinyl Acetate	ND	1.0	50	Vinyl Chloride	ND	1.0	5.0
Xylenes	ND	1.0	5.0				

Surrogate Recoveries (%)

%SS1:	89.5	%SS2:	103
%SS3:	105		

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.

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.

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1144 65th Street, Suite C		Date Received: 11/27/02
Oakland, CA 94608	Client Contact: Ian Young	Date Extracted: 11/27/02
	Client P.O.:	Date Analyzed: 12/05/02-12/06/02

Volatiles Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0211485

Lab ID	0211485-004A
Client ID	SB-2-3.5
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	50	Benzene	ND	1.0	5.0
Bromobenzene	ND	1.0	5.0	Bromochloromethane	ND	1.0	5.0
Bromodichloromethane	ND	1.0	5.0	Bromoform	ND	1.0	5.0
Bromomethane	ND	1.0	5.0	2-Butanone (MEK)	ND	1.0	10
n-Butyl benzene	ND	1.0	5.0	sec-Butyl benzene	ND	1.0	5.0
tert-Butyl benzene	ND	1.0	5.0	Carbon Disulfide	ND	1.0	5.0
Carbon Tetrachloride	ND	1.0	5.0	Chlorobenzene	ND	1.0	5.0
Chloroethane	ND	1.0	5.0	2-Chloroethyl Vinyl Ether	ND	1.0	5.0
Chloroform	ND	1.0	5.0	Chloromethane	ND	1.0	5.0
2-Chlorotoluene	ND	1.0	5.0	4-Chlorotoluene	ND	1.0	5.0
Dibromochloromethane	ND	1.0	5.0	1,2-Dibromo-3-chloropropane	ND	1.0	5.0
1,2-Dibromoethane (EDB)	ND	1.0	5.0	Dibromomethane	ND	1.0	5.0
1,2-Dichlorobenzene	ND	1.0	5.0	1,3-Dichlorobenzene	ND	1.0	5.0
1,4-Dichlorobenzene	ND	1.0	5.0	Dichlorodifluoromethane	ND	1.0	5.0
1,1-Dichloroethane	ND	1.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND	1.0	5.0
1,1-Dichloroethene	ND	1.0	5.0	cis-1,2-Dichloroethene	ND	1.0	5.0
trans-1,2-Dichloroethene	ND	1.0	5.0	1,2-Dichloropropane	ND	1.0	5.0
1,3-Dichloropropane	ND	1.0	5.0	2,2-Dichloropropane	ND	1.0	5.0
1,1-Dichloropropene	ND	1.0	5.0	cis-1,3-Dichloropropene	ND	1.0	5.0
trans-1,3-Dichloropropene	ND	1.0	5.0	Ethylbenzene	ND	1.0	5.0
Hexachlorobutadiene	ND	1.0	5.0	2-Hexanone	ND	1.0	5.0
Iodomethane (Methyl iodide)	ND	1.0	10	4-Isopropyl toluene	ND	1.0	5.0
Isopropylbenzene	ND	1.0	5.0	4-Methyl-2-pentanone (MIBK)	ND	1.0	5.0
Methylene chloride	ND	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND	1.0	5.0
Naphthalene	ND	1.0	5.0	n-Propyl benzene	ND	1.0	5.0
Styrene	ND	1.0	5.0	1,1,1,2-Tetrachloroethane	ND	1.0	5.0
1,1,2,2-Tetrachloroethane	ND	1.0	5.0	Tetrachloroethene	ND	1.0	5.0
Toluene	ND	1.0	5.0	1,2,3-Trichlorobenzene	ND	1.0	5.0
1,2,4-Trichlorobenzene	ND	1.0	5.0	1,1,1-Trichloroethane	ND	1.0	5.0
1,1,2-Trichloroethane	ND	1.0	5.0	Trichloroethene	ND	1.0	5.0
Trichlorofluoromethane	ND	1.0	5.0	1,2,3-Trichloropropane	ND	1.0	5.0
1,2,4-Trimethylbenzene	ND	1.0	5.0	1,3,5-Trimethylbenzene	ND	1.0	5.0
Vinyl Acetate	ND	1.0	50	Vinyl Chloride	ND	1.0	5.0
Xylenes	ND	1.0	5.0				

Surrogate Recoveries (%)

%SS1:	93.2	%SS2:	104
%SS3:	106		

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.

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.

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	Client P.O.:	Date Analyzed: 12/05/02-12/06/02

Volatiles Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0211485

Lab ID	0211485-006A
Client ID	SB-2-11.5
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	50	Benzene	ND	1.0	5.0
Bromobenzene	ND	1.0	5.0	Bromochloromethane	ND	1.0	5.0
Bromodichloromethane	ND	1.0	5.0	Bromoform	ND	1.0	5.0
Bromomethane	ND	1.0	5.0	2-Butanone (MEK)	ND	1.0	10
n-Butyl benzene	ND	1.0	5.0	sec-Butyl benzene	ND	1.0	5.0
tert-Butyl benzene	ND	1.0	5.0	Carbon Disulfide	ND	1.0	5.0
Carbon Tetrachloride	ND	1.0	5.0	Chlorobenzene	ND	1.0	5.0
Chloroethane	ND	1.0	5.0	2-Chloroethyl Vinyl Ether	ND	1.0	5.0
Chloroform	ND	1.0	5.0	Chloromethane	ND	1.0	5.0
2-Chlorotoluene	ND	1.0	5.0	4-Chlorotoluene	ND	1.0	5.0
Dibromochloromethane	ND	1.0	5.0	1,2-Dibromo-3-chloropropane	ND	1.0	5.0
1,2-Dibromoethane (EDB)	ND	1.0	5.0	Dibromomethane	ND	1.0	5.0
1,2-Dichlorobenzene	ND	1.0	5.0	1,3-Dichlorobenzene	ND	1.0	5.0
1,4-Dichlorobenzene	ND	1.0	5.0	Dichlorodifluoromethane	ND	1.0	5.0
1,1-Dichloroethane	ND	1.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND	1.0	5.0
1,1-Dichloroethene	ND	1.0	5.0	cis-1,2-Dichloroethene	ND	1.0	5.0
trans-1,2-Dichloroethene	ND	1.0	5.0	1,2-Dichloropropane	ND	1.0	5.0
1,3-Dichloropropane	ND	1.0	5.0	2,2-Dichloropropane	ND	1.0	5.0
1,1-Dichloropropene	ND	1.0	5.0	cis-1,3-Dichloropropene	ND	1.0	5.0
trans-1,3-Dichloropropene	ND	1.0	5.0	Ethylbenzene	ND	1.0	5.0
Hexachlorobutadiene	ND	1.0	5.0	2-Hexanone	ND	1.0	5.0
Iodomethane (Methyl iodide)	ND	1.0	10	4-Isopropyl toluene	ND	1.0	5.0
Isopropylbenzene	ND	1.0	5.0	4-Methyl-2-pentanone (MIBK)	ND	1.0	5.0
Methylene chloride	ND	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND	1.0	5.0
Naphthalene	ND	1.0	5.0	n-Propyl benzene	ND	1.0	5.0
Styrene	ND	1.0	5.0	1,1,1,2-Tetrachloroethane	ND	1.0	5.0
1,1,2,2-Tetrachloroethane	ND	1.0	5.0	Tetrachloroethene	ND	1.0	5.0
Toluene	ND	1.0	5.0	1,2,3-Trichlorobenzene	ND	1.0	5.0
1,2,4-Trichlorobenzene	ND	1.0	5.0	1,1,1-Trichloroethane	ND	1.0	5.0
1,1,2-Trichloroethane	ND	1.0	5.0	Trichloroethene	ND	1.0	5.0
Trichlorofluoromethane	ND	1.0	5.0	1,2,3-Trichloropropane	ND	1.0	5.0
1,2,4-Trimethylbenzene	ND	1.0	5.0	1,3,5-Trimethylbenzene	ND	1.0	5.0
Vinyl Acetate	ND	1.0	50	Vinyl Chloride	ND	1.0	5.0
Xylenes	ND	1.0	5.0				

Surrogate Recoveries (%)

%SS1:	91.4	%SS2:	104
%SS3:	105		

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.

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Volatiles Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0211485

Lab ID	0211485-014A
Client ID	SB-3-7.5
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<1000	20	50	Benzene	ND<100	20	5.0
Bromobenzene	ND<100	20	5.0	Bromochloromethane	ND<100	20	5.0
Bromodichloromethane	ND<100	20	5.0	Bromoform	ND<100	20	5.0
Bromomethane	ND<100	20	5.0	2-Butanone (MEK)	ND<200	20	10
n-Butyl benzene	ND<100	20	5.0	sec-Butyl benzene	ND<100	20	5.0
tert-Butyl benzene	ND<100	20	5.0	Carbon Disulfide	ND<100	20	5.0
Carbon Tetrachloride	ND<100	20	5.0	Chlorobenzene	ND<100	20	5.0
Chloroethane	ND<100	20	5.0	2-Chloroethyl Vinyl Ether	ND<100	20	5.0
Chloroform	ND<100	20	5.0	Chloromethane	ND<100	20	5.0
2-Chlorotoluene	ND<100	20	5.0	4-Chlorotoluene	ND<100	20	5.0
Dibromochloromethane	ND<100	20	5.0	1,2-Dibromo-3-chloropropane	ND<100	20	5.0
1,2-Dibromoethane (EDB)	ND<100	20	5.0	Dibromomethane	ND<100	20	5.0
1,2-Dichlorobenzene	ND<100	20	5.0	1,3-Dichlorobenzene	ND<100	20	5.0
1,4-Dichlorobenzene	ND<100	20	5.0	Dichlorodifluoromethane	ND<100	20	5.0
1,1-Dichloroethane	ND<100	20	5.0	1,2-Dichloroethane (1,2-DCA)	ND<100	20	5.0
1,1-Dichloroethene	ND<100	20	5.0	cis-1,2-Dichloroethene	ND<100	20	5.0
trans-1,2-Dichloroethene	ND<100	20	5.0	1,2-Dichloropropane	ND<100	20	5.0
1,3-Dichloropropane	ND<100	20	5.0	2,2-Dichloropropane	ND<100	20	5.0
1,1-Dichloropropene	ND<100	20	5.0	cis-1,3-Dichloropropene	ND<100	20	5.0
trans-1,3-Dichloropropene	ND<100	20	5.0	Ethylbenzene	ND<100	20	5.0
Hexachlorobutadiene	ND<100	20	5.0	2-Hexanone	ND<100	20	5.0
Iodomethane (Methyl iodide)	ND<200	20	10	4-Isopropyl toluene	ND<100	20	5.0
Isopropylbenzene	ND<100	20	5.0	4-Methyl-2-pentanone (MIBK)	ND<100	20	5.0
Methylene chloride	ND<100	20	5.0	Methyl-t-butyl ether (MTBE)	ND<100	20	5.0
Naphthalene	ND<100	20	5.0	n-Propyl benzene	ND<100	20	5.0
Styrene	ND<100	20	5.0	1,1,1,2-Tetrachloroethane	ND<100	20	5.0
1,1,2,2-Tetrachloroethane	ND<100	20	5.0	Tetrachloroethene	ND<100	20	5.0
Toluene	ND<100	20	5.0	1,2,3-Trichlorobenzene	ND<100	20	5.0
1,2,4-Trichlorobenzene	ND<100	20	5.0	1,1,1-Trichloroethane	ND<100	20	5.0
1,1,2-Trichloroethane	ND<100	20	5.0	Trichloroethene	ND<100	20	5.0
Trichlorofluoromethane	ND<100	20	5.0	1,2,3-Trichloropropane	ND<100	20	5.0
1,2,4-Trimethylbenzene	ND<100	20	5.0	1,3,5-Trimethylbenzene	ND<100	20	5.0
Vinyl Acetate	ND<1000	20	50	Vinyl Chloride	ND<100	20	5.0
Xylenes	ND<100	20	5.0				

Surrogate Recoveries (%)

%SS1:	93.3	%SS2:	98.6
%SS3:	106		

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.

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.

DHS Certification No. 1644

Edward Hamilton, Lab Director

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Cambria Env. Technology	Client Project ID: #522-1000; Nady Systems	Date Sampled: 11/25/02
1144 65th Street, Suite C		Date Received: 11/27/02
Oakland, CA 94608	Client Contact: Ian Young	Date Extracted: 11/27/02
	Client P.O.:	Date Analyzed: 12/05/02-12/06/02

Volatiles Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0211485

Lab ID	0211485-015A
Client ID	SB-3-11.5
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	50	Benzene	ND	1.0	5.0
Bromobenzene	ND	1.0	5.0	Bromochloromethane	ND	1.0	5.0
Bromodichloromethane	ND	1.0	5.0	Bromoform	ND	1.0	5.0
Bromomethane	ND	1.0	5.0	2-Butanone (MEK)	ND	1.0	10
n-Butyl benzene	ND	1.0	5.0	sec-Butyl benzene	ND	1.0	5.0
tert-Butyl benzene	ND	1.0	5.0	Carbon Disulfide	ND	1.0	5.0
Carbon Tetrachloride	ND	1.0	5.0	Chlorobenzene	ND	1.0	5.0
Chloroethane	ND	1.0	5.0	2-Chloroethyl Vinyl Ether	ND	1.0	5.0
Chloroform	ND	1.0	5.0	Chloromethane	ND	1.0	5.0
2-Chlorotoluene	ND	1.0	5.0	4-Chlorotoluene	ND	1.0	5.0
Dibromochloromethane	ND	1.0	5.0	1,2-Dibromo-3-chloropropane	ND	1.0	5.0
1,2-Dibromoethane (EDB)	ND	1.0	5.0	Dibromomethane	ND	1.0	5.0
1,2-Dichlorobenzene	ND	1.0	5.0	1,3-Dichlorobenzene	ND	1.0	5.0
1,4-Dichlorobenzene	ND	1.0	5.0	Dichlorodifluoromethane	ND	1.0	5.0
1,1-Dichloroethane	ND	1.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND	1.0	5.0
1,1-Dichloroethene	ND	1.0	5.0	cis-1,2-Dichloroethene	ND	1.0	5.0
trans-1,2-Dichloroethene	ND	1.0	5.0	1,2-Dichloropropane	ND	1.0	5.0
1,3-Dichloropropane	ND	1.0	5.0	2,2-Dichloropropane	ND	1.0	5.0
1,1-Dichloropropene	ND	1.0	5.0	cis-1,3-Dichloropropene	ND	1.0	5.0
trans-1,3-Dichloropropene	ND	1.0	5.0	Ethylbenzene	ND	1.0	5.0
Hexachlorobutadiene	ND	1.0	5.0	2-Hexanone	ND	1.0	5.0
Iodomethane (Methyl iodide)	ND	1.0	10	4-Isopropyl toluene	ND	1.0	5.0
Isopropylbenzene	ND	1.0	5.0	4-Methyl-2-pentanone (MIBK)	ND	1.0	5.0
Methylene chloride	ND	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND	1.0	5.0
Naphthalene	ND	1.0	5.0	n-Propyl benzene	ND	1.0	5.0
Styrene	ND	1.0	5.0	1,1,1,2-Tetrachloroethane	ND	1.0	5.0
1,1,2,2-Tetrachloroethane	ND	1.0	5.0	Tetrachloroethene	ND	1.0	5.0
Toluene	ND	1.0	5.0	1,2,3-Trichlorobenzene	ND	1.0	5.0
1,2,4-Trichlorobenzene	ND	1.0	5.0	1,1,1-Trichloroethane	ND	1.0	5.0
1,1,2-Trichloroethane	ND	1.0	5.0	Trichloroethene	ND	1.0	5.0
Trichlorofluoromethane	ND	1.0	5.0	1,2,3-Trichloropropane	ND	1.0	5.0
1,2,4-Trimethylbenzene	ND	1.0	5.0	1,3,5-Trimethylbenzene	ND	1.0	5.0
Vinyl Acetate	ND	1.0	50	Vinyl Chloride	ND	1.0	5.0
Xylenes	ND	1.0	5.0				

Surrogate Recoveries (%)

%SS1:	90.9	%SS2:	104
%SS3:	105		

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.

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.

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1144 65th Street, Suite C		Date Received: 11/27/02
Oakland, CA 94608	Client Contact: Ian Young	Date Extracted: 11/27/02
	Client P.O.:	Date Analyzed: 12/05/02-12/06/02

Volatiles Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0211485

Lab ID	0211485-016A
Client ID	SB-4-3.5
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	50	Benzene	ND	1.0	5.0
Bromobenzene	ND	1.0	5.0	Bromochloromethane	ND	1.0	5.0
Bromodichloromethane	ND	1.0	5.0	Bromoform	ND	1.0	5.0
Bromomethane	ND	1.0	5.0	2-Butanone (MEK)	ND	1.0	10
n-Butyl benzene	ND	1.0	5.0	sec-Butyl benzene	ND	1.0	5.0
tert-Butyl benzene	ND	1.0	5.0	Carbon Disulfide	ND	1.0	5.0
Carbon Tetrachloride	ND	1.0	5.0	Chlorobenzene	ND	1.0	5.0
Chloroethane	ND	1.0	5.0	2-Chloroethyl Vinyl Ether	ND	1.0	5.0
Chloroform	ND	1.0	5.0	Chloromethane	ND	1.0	5.0
2-Chlorotoluene	ND	1.0	5.0	4-Chlorotoluene	ND	1.0	5.0
Dibromochloromethane	ND	1.0	5.0	1,2-Dibromo-3-chloropropane	ND	1.0	5.0
1,2-Dibromoethane (EDB)	ND	1.0	5.0	Dibromomethane	ND	1.0	5.0
1,2-Dichlorobenzene	ND	1.0	5.0	1,3-Dichlorobenzene	ND	1.0	5.0
1,4-Dichlorobenzene	ND	1.0	5.0	Dichlorodifluoromethane	ND	1.0	5.0
1,1-Dichloroethane	ND	1.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND	1.0	5.0
1,1-Dichloroethene	ND	1.0	5.0	cis-1,2-Dichloroethene	ND	1.0	5.0
trans-1,2-Dichloroethene	ND	1.0	5.0	1,2-Dichloropropane	ND	1.0	5.0
1,3-Dichloropropane	ND	1.0	5.0	2,2-Dichloropropane	ND	1.0	5.0
1,1-Dichloropropene	ND	1.0	5.0	cis-1,3-Dichloropropene	ND	1.0	5.0
trans-1,3-Dichloropropene	ND	1.0	5.0	Ethylbenzene	ND	1.0	5.0
Hexachlorobutadiene	ND	1.0	5.0	2-Hexanone	ND	1.0	5.0
Iodomethane (Methyl iodide)	ND	1.0	10	4-Isopropyl toluene	ND	1.0	5.0
Isopropylbenzene	ND	1.0	5.0	4-Methyl-2-pentanone (MIBK)	ND	1.0	5.0
Methylene chloride	ND	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND	1.0	5.0
Naphthalene	ND	1.0	5.0	n-Propyl benzene	ND	1.0	5.0
Styrene	ND	1.0	5.0	1,1,1,2-Tetrachloroethane	ND	1.0	5.0
1,1,2,2-Tetrachloroethane	ND	1.0	5.0	Tetrachloroethene	ND	1.0	5.0
Toluene	ND	1.0	5.0	1,2,3-Trichlorobenzene	ND	1.0	5.0
1,2,4-Trichlorobenzene	ND	1.0	5.0	1,1,1-Trichloroethane	ND	1.0	5.0
1,1,2-Trichloroethane	ND	1.0	5.0	Trichloroethene	ND	1.0	5.0
Trichlorofluoromethane	ND	1.0	5.0	1,2,3-Trichloropropane	ND	1.0	5.0
1,2,4-Trimethylbenzene	ND	1.0	5.0	1,3,5-Trimethylbenzene	ND	1.0	5.0
Vinyl Acetate	ND	1.0	50	Vinyl Chloride	ND	1.0	5.0
Xylenes	ND	1.0	5.0				

Surrogate Recoveries (%)

%SS1:	88.9	%SS2:	105
%SS3:	105		

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.

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.

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Cambria Env. Technology	Client Project ID: #522-1000; Nady Systems	Date Sampled: 11/25/02
1144 65th Street, Suite C		Date Received: 11/27/02
Oakland, CA 94608	Client Contact: Ian Young	Date Extracted: 11/27/02
	Client P.O.:	Date Analyzed: 12/05/02-12/06/02

Volatiles Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0211485

Lab ID	0211485-017A
Client ID	SB-4-7.5
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	50	Benzene	ND	1.0	5.0
Bromobenzene	ND	1.0	5.0	Bromochloromethane	ND	1.0	5.0
Bromodichloromethane	ND	1.0	5.0	Bromoform	ND	1.0	5.0
Bromomethane	ND	1.0	5.0	2-Butanone (MEK)	ND	1.0	10
n-Butyl benzene	ND	1.0	5.0	sec-Butyl benzene	ND	1.0	5.0
tert-Butyl benzene	ND	1.0	5.0	Carbon Disulfide	ND	1.0	5.0
Carbon Tetrachloride	ND	1.0	5.0	Chlorobenzene	ND	1.0	5.0
Chloroethane	ND	1.0	5.0	2-Chloroethyl Vinyl Ether	ND	1.0	5.0
Chloroform	ND	1.0	5.0	Chloromethane	ND	1.0	5.0
2-Chlorotoluene	ND	1.0	5.0	4-Chlorotoluene	ND	1.0	5.0
Dibromochloromethane	ND	1.0	5.0	1,2-Dibromo-3-chloropropane	ND	1.0	5.0
1,2-Dibromoethane (EDB)	ND	1.0	5.0	Dibromomethane	ND	1.0	5.0
1,2-Dichlorobenzene	ND	1.0	5.0	1,3-Dichlorobenzene	ND	1.0	5.0
1,4-Dichlorobenzene	ND	1.0	5.0	Dichlorodifluoromethane	ND	1.0	5.0
1,1-Dichloroethane	ND	1.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND	1.0	5.0
1,1-Dichloroethene	ND	1.0	5.0	cis-1,2-Dichloroethene	ND	1.0	5.0
trans-1,2-Dichloroethene	ND	1.0	5.0	1,2-Dichloropropane	ND	1.0	5.0
1,3-Dichloropropane	ND	1.0	5.0	2,2-Dichloropropane	ND	1.0	5.0
1,1-Dichloropropene	ND	1.0	5.0	cis-1,3-Dichloropropene	ND	1.0	5.0
trans-1,3-Dichloropropene	ND	1.0	5.0	Ethylbenzene	ND	1.0	5.0
Hexachlorobutadiene	ND	1.0	5.0	2-Hexanone	ND	1.0	5.0
Iodomethane (Methyl iodide)	ND	1.0	10	4-Isopropyl toluene	ND	1.0	5.0
Isopropylbenzene	ND	1.0	5.0	4-Methyl-2-pentanone (MIBK)	ND	1.0	5.0
Methylene chloride	ND	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND	1.0	5.0
Naphthalene	ND	1.0	5.0	n-Propyl benzene	ND	1.0	5.0
Styrene	ND	1.0	5.0	1,1,1,2-Tetrachloroethane	ND	1.0	5.0
1,1,2,2-Tetrachloroethane	ND	1.0	5.0	Tetrachloroethene	ND	1.0	5.0
Toluene	ND	1.0	5.0	1,2,3-Trichlorobenzene	ND	1.0	5.0
1,2,4-Trichlorobenzene	ND	1.0	5.0	1,1,1-Trichloroethane	ND	1.0	5.0
1,1,2-Trichloroethane	ND	1.0	5.0	Trichloroethene	ND	1.0	5.0
Trichlorofluoromethane	ND	1.0	5.0	1,2,3-Trichloropropane	ND	1.0	5.0
1,2,4-Trimethylbenzene	ND	1.0	5.0	1,3,5-Trimethylbenzene	ND	1.0	5.0
Vinyl Acetate	ND	1.0	50	Vinyl Chloride	ND	1.0	5.0
Xylenes	ND	1.0	5.0				

Surrogate Recoveries (%)

%SS1:	88.5	%SS2:	104
%SS3:	103		

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.

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.

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1144 65th Street, Suite C		Date Received: 11/27/02
Oakland, CA 94608	Client Contact: Ian Young	Date Extracted: 11/27/02
	Client P.O.:	Date Analyzed: 12/05/02-12/06/02

Volatiles Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0211485

Lab ID	0211485-020A
Client ID	SB-5-7.5
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<2000	40	50	Benzene	ND<200	40	5.0
Bromobenzene	ND<200	40	5.0	Bromochloromethane	ND<200	40	5.0
Bromodichloromethane	ND<200	40	5.0	Bromoform	ND<200	40	5.0
Bromomethane	ND<200	40	5.0	2-Butanone (MEK)	ND<400	40	10
n-Butyl benzene	1600	40	5.0	sec-Butyl benzene	1700	40	5.0
tert-Butyl benzene	ND<200	40	5.0	Carbon Disulfide	ND<200	40	5.0
Carbon Tetrachloride	ND<200	40	5.0	Chlorobenzene	ND<200	40	5.0
Chloroethane	ND<200	40	5.0	2-Chloroethyl Vinyl Ether	ND<200	40	5.0
Chloroform	ND<200	40	5.0	Chloromethane	ND<200	40	5.0
2-Chlorotoluene	ND<200	40	5.0	4-Chlorotoluene	ND<200	40	5.0
Dibromochloromethane	ND<200	40	5.0	1,2-Dibromo-3-chloropropane	ND<200	40	5.0
1,2-Dibromoethane (EDB)	ND<200	40	5.0	Dibromomethane	ND<200	40	5.0
1,2-Dichlorobenzene	ND<200	40	5.0	1,3-Dichlorobenzene	ND<200	40	5.0
1,4-Dichlorobenzene	ND<200	40	5.0	Dichlorodifluoromethane	ND<200	40	5.0
1,1-Dichloroethane	ND<200	40	5.0	1,2-Dichloroethane (1,2-DCA)	ND<200	40	5.0
1,1-Dichloroethene	ND<200	40	5.0	cis-1,2-Dichloroethene	ND<200	40	5.0
trans-1,2-Dichloroethene	ND<200	40	5.0	1,2-Dichloropropane	ND<200	40	5.0
1,3-Dichloropropane	ND<200	40	5.0	2,2-Dichloropropane	ND<200	40	5.0
1,1-Dichloropropene	ND<200	40	5.0	cis-1,3-Dichloropropene	ND<200	40	5.0
trans-1,3-Dichloropropene	ND<200	40	5.0	Ethylbenzene	ND<200	40	5.0
Hexachlorobutadiene	ND<200	40	5.0	2-Hexanone	ND<200	40	5.0
Iodomethane (Methyl iodide)	ND<400	40	10	4-Isopropyl toluene	260	40	5.0
Isopropylbenzene	360	40	5.0	4-Methyl-2-pentanone (MIBK)	ND<200	40	5.0
Methylene chloride	ND<200	40	5.0	Methyl-t-butyl ether (MTBE)	ND<200	40	5.0
Naphthalene	ND<200	40	5.0	n-Propyl benzene	970	40	5.0
Styrene	ND<200	40	5.0	1,1,1,2-Tetrachloroethane	ND<200	40	5.0
1,1,2,2-Tetrachloroethane	ND<200	40	5.0	Tetrachloroethene	ND<200	40	5.0
Toluene	ND<200	40	5.0	1,2,3-Trichlorobenzene	ND<200	40	5.0
1,2,4-Trichlorobenzene	ND<200	40	5.0	1,1,1-Trichloroethane	ND<200	40	5.0
1,1,2-Trichloroethane	ND<200	40	5.0	Trichloroethene	ND<200	40	5.0
Trichlorofluoromethane	ND<200	40	5.0	1,2,3-Trichloropropane	ND<200	40	5.0
1,2,4-Trimethylbenzene	ND<200	40	5.0	1,3,5-Trimethylbenzene	300	40	5.0
Vinyl Acetate	ND<2000	40	50	Vinyl Chloride	ND<200	40	5.0
Xylenes	ND<200	40	5.0				

Surrogate Recoveries (%)

%SS1:	85.2	%SS2:	94.8
%SS3:	81.3		

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.

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	Client P.O.:	Date Analyzed: 12/05/02-12/06/02

Volatiles Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0211485

Lab ID	0211485-021A
Client ID	SB-5-11.5
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	50	Benzene	ND	1.0	5.0
Bromobenzene	ND	1.0	5.0	Bromochloromethane	ND	1.0	5.0
Bromodichloromethane	ND	1.0	5.0	Bromoform	ND	1.0	5.0
Bromomethane	ND	1.0	5.0	2-Butanone (MEK)	ND	1.0	10
n-Butyl benzene	ND	1.0	5.0	sec-Butyl benzene	ND	1.0	5.0
tert-Butyl benzene	ND	1.0	5.0	Carbon Disulfide	ND	1.0	5.0
Carbon Tetrachloride	ND	1.0	5.0	Chlorobenzene	ND	1.0	5.0
Chloroethane	ND	1.0	5.0	2-Chloroethyl Vinyl Ether	ND	1.0	5.0
Chloroform	ND	1.0	5.0	Chloromethane	ND	1.0	5.0
2-Chlorotoluene	ND	1.0	5.0	4-Chlorotoluene	ND	1.0	5.0
Dibromochloromethane	ND	1.0	5.0	1,2-Dibromo-3-chloropropane	ND	1.0	5.0
1,2-Dibromoethane (EDB)	ND	1.0	5.0	Dibromomethane	ND	1.0	5.0
1,2-Dichlorobenzene	ND	1.0	5.0	1,3-Dichlorobenzene	ND	1.0	5.0
1,4-Dichlorobenzene	ND	1.0	5.0	Dichlorodifluoromethane	ND	1.0	5.0
1,1-Dichloroethane	ND	1.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND	1.0	5.0
1,1-Dichloroethene	ND	1.0	5.0	cis-1,2-Dichloroethene	ND	1.0	5.0
trans-1,2-Dichloroethene	ND	1.0	5.0	1,2-Dichloropropane	ND	1.0	5.0
1,3-Dichloropropane	ND	1.0	5.0	2,2-Dichloropropane	ND	1.0	5.0
1,1-Dichloropropene	ND	1.0	5.0	cis-1,3-Dichloropropene	ND	1.0	5.0
trans-1,3-Dichloropropene	ND	1.0	5.0	Ethylbenzene	ND	1.0	5.0
Hexachlorobutadiene	ND	1.0	5.0	2-Hexanone	ND	1.0	5.0
Iodomethane (Methyl iodide)	ND	1.0	10	4-Isopropyl toluene	ND	1.0	5.0
Isopropylbenzene	ND	1.0	5.0	4-Methyl-2-pentanone (MIBK)	ND	1.0	5.0
Methylene chloride	ND	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND	1.0	5.0
Naphthalene	ND	1.0	5.0	n-Propyl benzene	ND	1.0	5.0
Styrene	ND	1.0	5.0	1,1,1,2-Tetrachloroethane	ND	1.0	5.0
1,1,2,2-Tetrachloroethane	ND	1.0	5.0	Tetrachloroethene	ND	1.0	5.0
Toluene	ND	1.0	5.0	1,2,3-Trichlorobenzene	ND	1.0	5.0
1,2,4-Trichlorobenzene	ND	1.0	5.0	1,1,1-Trichloroethane	ND	1.0	5.0
1,1,2-Trichloroethane	ND	1.0	5.0	Trichloroethene	ND	1.0	5.0
Trichlorofluoromethane	ND	1.0	5.0	1,2,3-Trichloropropane	ND	1.0	5.0
1,2,4-Trimethylbenzene	ND	1.0	5.0	1,3,5-Trimethylbenzene	ND	1.0	5.0
Vinyl Acetate	ND	1.0	50	Vinyl Chloride	ND	1.0	5.0
Xylenes	ND	1.0	5.0				

Surrogate Recoveries (%)

%SS1:	83.4	%SS2:	106
%SS3:	108		

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.

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.

DHS Certification No. 1644

Edward Hamilton, Lab Director

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Cambria Env. Technology	Client Project ID: #522-1000; Nady Systems	Date Sampled: 11/25/02
1144 65th Street, Suite C		Date Received: 11/27/02
Oakland, CA 94608	Client Contact: Ian Young	Date Extracted: 11/27/02
	Client P.O.:	Date Analyzed: 12/05/02-12/06/02

Volatiles Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0211485

Lab ID	0211485-025A
Client ID	SB-7-3.5
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<1000	20	50	Benzene	ND<100	20	5.0
Bromobenzene	ND<100	20	5.0	Bromochloromethane	ND<100	20	5.0
Bromodichloromethane	ND<100	20	5.0	Bromoform	ND<100	20	5.0
Bromomethane	ND<100	20	5.0	2-Butanone (MEK)	ND<200	20	10
n-Butyl benzene	ND<100	20	5.0	sec-Butyl benzene	ND<100	20	5.0
tert-Butyl benzene	ND<100	20	5.0	Carbon Disulfide	ND<100	20	5.0
Carbon Tetrachloride	ND<100	20	5.0	Chlorobenzene	ND<100	20	5.0
Chloroethane	ND<100	20	5.0	2-Chloroethyl Vinyl Ether	ND<100	20	5.0
Chloroform	ND<100	20	5.0	Chloromethane	ND<100	20	5.0
2-Chlorotoluene	ND<100	20	5.0	4-Chlorotoluene	ND<100	20	5.0
Dibromochloromethane	ND<100	20	5.0	1,2-Dibromo-3-chloropropane	ND<100	20	5.0
1,2-Dibromoethane (EDB)	ND<100	20	5.0	Dibromomethane	ND<100	20	5.0
1,2-Dichlorobenzene	ND<100	20	5.0	1,3-Dichlorobenzene	ND<100	20	5.0
1,4-Dichlorobenzene	ND<100	20	5.0	Dichlorodifluoromethane	ND<100	20	5.0
1,1-Dichloroethane	ND<100	20	5.0	1,2-Dichloroethane (1,2-DCA)	ND<100	20	5.0
1,1-Dichloroethene	ND<100	20	5.0	cis-1,2-Dichloroethene	ND<100	20	5.0
trans-1,2-Dichloroethene	ND<100	20	5.0	1,2-Dichloropropane	ND<100	20	5.0
1,3-Dichloropropane	ND<100	20	5.0	2,2-Dichloropropane	ND<100	20	5.0
1,1-Dichloropropene	ND<100	20	5.0	cis-1,3-Dichloropropene	ND<100	20	5.0
trans-1,3-Dichloropropene	ND<100	20	5.0	Ethylbenzene	ND<100	20	5.0
Hexachlorobutadiene	ND<100	20	5.0	2-Hexanone	ND<100	20	5.0
Iodomethane (Methyl iodide)	ND<200	20	10	4-Isopropyl toluene	ND<100	20	5.0
Isopropylbenzene	ND<100	20	5.0	4-Methyl-2-pentanone (MIBK)	ND<100	20	5.0
Methylene chloride	ND<100	20	5.0	Methyl-t-butyl ether (MTBE)	ND<100	20	5.0
Naphthalene	200	20	5.0	n-Propyl benzene	ND<100	20	5.0
Styrene	ND<100	20	5.0	1,1,1,2-Tetrachloroethane	ND<100	20	5.0
1,1,2,2-Tetrachloroethane	ND<100	20	5.0	Tetrachloroethene	ND<100	20	5.0
Toluene	ND<100	20	5.0	1,2,3-Trichlorobenzene	ND<100	20	5.0
1,2,4-Trichlorobenzene	ND<100	20	5.0	1,1,1-Trichloroethane	ND<100	20	5.0
1,1,2-Trichloroethane	ND<100	20	5.0	Trichloroethene	ND<100	20	5.0
Trichlorofluoromethane	ND<100	20	5.0	1,2,3-Trichloropropane	ND<100	20	5.0
1,2,4-Trimethylbenzene	ND<100	20	5.0	1,3,5-Trimethylbenzene	ND<100	20	5.0
Vinyl Acetate	ND<1000	20	50	Vinyl Chloride	ND<100	20	5.0
Xylenes	ND<100	20	5.0				

Surrogate Recoveries (%)

%SS1:	86.9	%SS2:	97.5
%SS3:	118		

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.

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.

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Cambria Env. Technology	Client Project ID: #522-1000; Nady Systems	Date Sampled: 11/25/02
1144 65th Street, Suite C		Date Received: 11/27/02
Oakland, CA 94608	Client Contact: Ian Young	Date Extracted: 11/27/02
	Client P.O.:	Date Analyzed: 12/05/02-12/06/02

Volatiles Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0211485

Lab ID	0211485-026A
Client ID	SB-7-7.5
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<1000	20	50	Benzene	ND<100	20	5.0
Bromobenzene	ND<100	20	5.0	Bromochloromethane	ND<100	20	5.0
Bromodichloromethane	ND<100	20	5.0	Bromoform	ND<100	20	5.0
Bromomethane	ND<100	20	5.0	2-Butanone (MEK)	ND<200	20	10
n-Butyl benzene	ND<100	20	5.0	sec-Butyl benzene	ND<100	20	5.0
tert-Butyl benzene	ND<100	20	5.0	Carbon Disulfide	ND<100	20	5.0
Carbon Tetrachloride	ND<100	20	5.0	Chlorobenzene	ND<100	20	5.0
Chloroethane	ND<100	20	5.0	2-Chloroethyl Vinyl Ether	ND<100	20	5.0
Chloroform	ND<100	20	5.0	Chloromethane	ND<100	20	5.0
2-Chlorotoluene	ND<100	20	5.0	4-Chlorotoluene	ND<100	20	5.0
Dibromochloromethane	ND<100	20	5.0	1,2-Dibromo-3-chloropropane	ND<100	20	5.0
1,2-Dibromoethane (EDB)	ND<100	20	5.0	Dibromomethane	ND<100	20	5.0
1,2-Dichlorobenzene	ND<100	20	5.0	1,3-Dichlorobenzene	ND<100	20	5.0
1,4-Dichlorobenzene	ND<100	20	5.0	Dichlorodifluoromethane	ND<100	20	5.0
1,1-Dichloroethane	ND<100	20	5.0	1,2-Dichloroethane (1,2-DCA)	ND<100	20	5.0
1,1-Dichloroethene	ND<100	20	5.0	cis-1,2-Dichloroethene	ND<100	20	5.0
trans-1,2-Dichloroethene	ND<100	20	5.0	1,2-Dichloropropane	ND<100	20	5.0
1,3-Dichloropropane	ND<100	20	5.0	2,2-Dichloropropane	ND<100	20	5.0
1,1-Dichloropropene	ND<100	20	5.0	cis-1,3-Dichloropropene	ND<100	20	5.0
trans-1,3-Dichloropropene	ND<100	20	5.0	Ethylbenzene	ND<100	20	5.0
Hexachlorobutadiene	ND<100	20	5.0	2-Hexanone	ND<100	20	5.0
Iodomethane (Methyl iodide)	ND<200	20	10	4-Isopropyl toluene	130	20	5.0
Isopropylbenzene	ND<100	20	5.0	4-Methyl-2-pentanone (MIBK)	ND<100	20	5.0
Methylene chloride	ND<100	20	5.0	Methyl-t-butyl ether (MTBE)	ND<100	20	5.0
Naphthalene	ND<100	20	5.0	n-Propyl benzene	ND<100	20	5.0
Styrene	ND<100	20	5.0	1,1,1,2-Tetrachloroethane	ND<100	20	5.0
1,1,2,2-Tetrachloroethane	ND<100	20	5.0	Tetrachloroethene	ND<100	20	5.0
Toluene	ND<100	20	5.0	1,2,3-Trichlorobenzene	ND<100	20	5.0
1,2,4-Trichlorobenzene	ND<100	20	5.0	1,1,1-Trichloroethane	ND<100	20	5.0
1,1,2-Trichloroethane	ND<100	20	5.0	Trichloroethene	ND<100	20	5.0
Trichlorofluoromethane	ND<100	20	5.0	1,2,3-Trichloropropane	ND<100	20	5.0
1,2,4-Trimethylbenzene	ND<100	20	5.0	1,3,5-Trimethylbenzene	ND<100	20	5.0
Vinyl Acetate	ND<1000	20	50	Vinyl Chloride	ND<100	20	5.0
Xylenes	ND<100	20	5.0				

Surrogate Recoveries (%)

%SS1:	79.3	%SS2:	93.1
%SS3:	90.6		

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.

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.

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Cambria Env. Technology	Client Project ID: #522-1000; Nady Systems	Date Sampled: 11/25/02
1144 65th Street, Suite C		Date Received: 11/27/02
Oakland, CA 94608	Client Contact: Ian Young	Date Extracted: 11/27/02
	Client P.O.:	Date Analyzed: 12/05/02-12/06/02

Volatiles Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0211485

Lab ID	0211485-029A
Client ID	SB-7-17.5
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<1000	20	50	Benzene	ND<100	20	5.0
Bromobenzene	ND<100	20	5.0	Bromochloromethane	ND<100	20	5.0
Bromodichloromethane	ND<100	20	5.0	Bromoform	ND<100	20	5.0
Bromomethane	ND<100	20	5.0	2-Butanone (MEK)	ND<200	20	10
n-Butyl benzene	ND<100	20	5.0	sec-Butyl benzene	ND<100	20	5.0
tert-Butyl benzene	ND<100	20	5.0	Carbon Disulfide	ND<100	20	5.0
Carbon Tetrachloride	ND<100	20	5.0	Chlorobenzene	ND<100	20	5.0
Chloroethane	ND<100	20	5.0	2-Chloroethyl Vinyl Ether	ND<100	20	5.0
Chloroform	ND<100	20	5.0	Chloromethane	ND<100	20	5.0
2-Chlorotoluene	ND<100	20	5.0	4-Chlorotoluene	ND<100	20	5.0
Dibromochloromethane	ND<100	20	5.0	1,2-Dibromo-3-chloropropane	ND<100	20	5.0
1,2-Dibromoethane (EDB)	ND<100	20	5.0	Dibromomethane	ND<100	20	5.0
1,2-Dichlorobenzene	ND<100	20	5.0	1,3-Dichlorobenzene	ND<100	20	5.0
1,4-Dichlorobenzene	ND<100	20	5.0	Dichlorodifluoromethane	ND<100	20	5.0
1,1-Dichloroethane	ND<100	20	5.0	1,2-Dichloroethane (1,2-DCA)	ND<100	20	5.0
1,1-Dichloroethene	ND<100	20	5.0	cis-1,2-Dichloroethene	ND<100	20	5.0
trans-1,2-Dichloroethene	ND<100	20	5.0	1,2-Dichloropropane	ND<100	20	5.0
1,3-Dichloropropane	ND<100	20	5.0	2,2-Dichloropropane	ND<100	20	5.0
1,1-Dichloropropene	ND<100	20	5.0	cis-1,3-Dichloropropene	ND<100	20	5.0
trans-1,3-Dichloropropene	ND<100	20	5.0	Ethylbenzene	ND<100	20	5.0
Hexachlorobutadiene	ND<100	20	5.0	2-Hexanone	ND<100	20	5.0
Iodomethane (Methyl iodide)	ND<200	20	10	4-Isopropyl toluene	470	20	5.0
Isopropylbenzene	ND<100	20	5.0	4-Methyl-2-pentanone (MIBK)	ND<100	20	5.0
Methylene chloride	ND<100	20	5.0	Methyl-t-butyl ether (MTBE)	ND<100	20	5.0
Naphthalene	ND<100	20	5.0	n-Propyl benzene	ND<100	20	5.0
Styrene	ND<100	20	5.0	1,1,1,2-Tetrachloroethane	ND<100	20	5.0
1,1,2,2-Tetrachloroethane	ND<100	20	5.0	Tetrachloroethene	ND<100	20	5.0
Toluene	ND<100	20	5.0	1,2,3-Trichlorobenzene	ND<100	20	5.0
1,2,4-Trichlorobenzene	ND<100	20	5.0	1,1,1-Trichloroethane	ND<100	20	5.0
1,1,2-Trichloroethane	ND<100	20	5.0	Trichloroethene	ND<100	20	5.0
Trichlorofluoromethane	ND<100	20	5.0	1,2,3-Trichloropropane	ND<100	20	5.0
1,2,4-Trimethylbenzene	ND<100	20	5.0	1,3,5-Trimethylbenzene	ND<100	20	5.0
Vinyl Acetate	ND<1000	20	50	Vinyl Chloride	ND<100	20	5.0
Xylenes	ND<100	20	5.0				

Surrogate Recoveries (%)

%SS1:	78.1	%SS2:	96.8
%SS3:	103		

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.

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1144 65th Street, Suite C		Date Received: 11/27/02
Oakland, CA 94608	Client Contact: Ian Young	Date Extracted: 11/27/02
	Client P.O.:	Date Analyzed: 12/05/02-12/06/02

Volatiles Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0211485

Lab ID	0211485-030A
Client ID	SB-8-3
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<5000	100	50	Benzene	ND<500	100	5.0
Bromobenzene	ND<500	100	5.0	Bromochloromethane	ND<500	100	5.0
Bromodichloromethane	ND<500	100	5.0	Bromoform	ND<500	100	5.0
Bromomethane	ND<500	100	5.0	2-Butanone (MEK)	ND<1000	100	10
n-Butyl benzene	ND<500	100	5.0	sec-Butyl benzene	ND<500	100	5.0
tert-Butyl benzene	ND<500	100	5.0	Carbon Disulfide	ND<500	100	5.0
Carbon Tetrachloride	ND<500	100	5.0	Chlorobenzene	ND<500	100	5.0
Chloroethane	ND<500	100	5.0	2-Chloroethyl Vinyl Ether	ND<500	100	5.0
Chloroform	ND<500	100	5.0	Chloromethane	ND<500	100	5.0
2-Chlorotoluene	ND<500	100	5.0	4-Chlorotoluene	ND<500	100	5.0
Dibromochloromethane	ND<500	100	5.0	1,2-Dibromo-3-chloropropane	ND<500	100	5.0
1,2-Dibromoethane (EDB)	ND<500	100	5.0	Dibromomethane	ND<500	100	5.0
1,2-Dichlorobenzene	ND<500	100	5.0	1,3-Dichlorobenzene	ND<500	100	5.0
1,4-Dichlorobenzene	ND<500	100	5.0	Dichlorodifluoromethane	ND<500	100	5.0
1,1-Dichloroethane	ND<500	100	5.0	1,2-Dichloroethane (1,2-DCA)	ND<500	100	5.0
1,1-Dichloroethene	ND<500	100	5.0	cis-1,2-Dichloroethene	ND<500	100	5.0
trans-1,2-Dichloroethene	ND<500	100	5.0	1,2-Dichloropropane	ND<500	100	5.0
1,3-Dichloropropane	ND<500	100	5.0	2,2-Dichloropropane	ND<500	100	5.0
1,1-Dichloropropene	ND<500	100	5.0	cis-1,3-Dichloropropene	ND<500	100	5.0
trans-1,3-Dichloropropene	ND<500	100	5.0	Ethylbenzene	ND<500	100	5.0
Hexachlorobutadiene	ND<500	100	5.0	2-Hexanone	ND<500	100	5.0
Iodomethane (Methyl iodide)	ND<1000	100	10	4-Isopropyl toluene	ND<500	100	5.0
Isopropylbenzene	ND<500	100	5.0	4-Methyl-2-pentanone (MIBK)	ND<500	100	5.0
Methylene chloride	ND<500	100	5.0	Methyl-t-butyl ether (MTBE)	ND<500	100	5.0
Naphthalene	ND<500	100	5.0	n-Propyl benzene	ND<500	100	5.0
Styrene	ND<500	100	5.0	1,1,1,2-Tetrachloroethane	ND<500	100	5.0
1,1,2,2-Tetrachloroethane	ND<500	100	5.0	Tetrachloroethene	ND<500	100	5.0
Toluene	ND<500	100	5.0	1,2,3-Trichlorobenzene	ND<500	100	5.0
1,2,4-Trichlorobenzene	ND<500	100	5.0	1,1,1-Trichloroethane	ND<500	100	5.0
1,1,2-Trichloroethane	ND<500	100	5.0	Trichloroethene	ND<500	100	5.0
Trichlorofluoromethane	ND<500	100	5.0	1,2,3-Trichloropropane	ND<500	100	5.0
1,2,4-Trimethylbenzene	ND<500	100	5.0	1,3,5-Trimethylbenzene	ND<500	100	5.0
Vinyl Acetate	ND<5000	100	50	Vinyl Chloride	ND<500	100	5.0
Xylenes	ND<500	100	5.0				

Surrogate Recoveries (%)

%SS1:	104	%SS2:	95.1
%SS3:	97.2		

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.

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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.

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Cambria Env. Technology	Client Project ID: #522-1000; Nady Systems	Date Sampled: 11/25/02
1144 65th Street, Suite C		Date Received: 11/27/02
Oakland, CA 94608	Client Contact: Ian Young	Date Extracted: 11/27/02
	Client P.O.:	Date Analyzed: 12/05/02-12/06/02

Volatiles Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0211485

Lab ID	0211485-031A
Client ID	SB-8-6
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<10,000	200	50	Benzene	ND<1000	200	5.0
Bromobenzene	ND<1000	200	5.0	Bromochloromethane	ND<1000	200	5.0
Bromodichloromethane	ND<1000	200	5.0	Bromoform	ND<1000	200	5.0
Bromomethane	ND<1000	200	5.0	2-Butanone (MEK)	ND<2000	200	10
n-Butyl benzene	ND<1000	200	5.0	sec-Butyl benzene	ND<1000	200	5.0
tert-Butyl benzene	ND<1000	200	5.0	Carbon Disulfide	ND<1000	200	5.0
Carbon Tetrachloride	ND<1000	200	5.0	Chlorobenzene	ND<1000	200	5.0
Chloroethane	ND<1000	200	5.0	2-Chloroethyl Vinyl Ether	ND<1000	200	5.0
Chloroform	ND<1000	200	5.0	Chloromethane	ND<1000	200	5.0
2-Chlorotoluene	ND<1000	200	5.0	4-Chlorotoluene	ND<1000	200	5.0
Dibromochloromethane	ND<1000	200	5.0	1,2-Dibromo-3-chloropropane	ND<1000	200	5.0
1,2-Dibromoethane (EDB)	ND<1000	200	5.0	Dibromomethane	ND<1000	200	5.0
1,2-Dichlorobenzene	ND<1000	200	5.0	1,3-Dichlorobenzene	ND<1000	200	5.0
1,4-Dichlorobenzene	ND<1000	200	5.0	Dichlorodifluoromethane	ND<1000	200	5.0
1,1-Dichloroethane	ND<1000	200	5.0	1,2-Dichloroethane (1,2-DCA)	ND<1000	200	5.0
1,1-Dichloroethene	ND<1000	200	5.0	cis-1,2-Dichloroethene	ND<1000	200	5.0
trans-1,2-Dichloroethene	ND<1000	200	5.0	1,2-Dichloropropane	ND<1000	200	5.0
1,3-Dichloropropane	ND<1000	200	5.0	2,2-Dichloropropane	ND<1000	200	5.0
1,1-Dichloropropene	ND<1000	200	5.0	cis-1,3-Dichloropropene	ND<1000	200	5.0
trans-1,3-Dichloropropene	ND<1000	200	5.0	Ethylbenzene	ND<1000	200	5.0
Hexachlorobutadiene	ND<1000	200	5.0	2-Hexanone	ND<1000	200	5.0
Iodomethane (Methyl iodide)	ND<2000	200	10	4-Isopropyl toluene	ND<1000	200	5.0
Isopropylbenzene	ND<1000	200	5.0	4-Methyl-2-pentanone (MIBK)	ND<1000	200	5.0
Methylene chloride	ND<1000	200	5.0	Methyl-t-butyl ether (MTBE)	ND<1000	200	5.0
Naphthalene	ND<1000	200	5.0	n-Propyl benzene	ND<1000	200	5.0
Styrene	ND<1000	200	5.0	1,1,1,2-Tetrachloroethane	ND<1000	200	5.0
1,1,2,2-Tetrachloroethane	ND<1000	200	5.0	Tetrachloroethene	ND<1000	200	5.0
Toluene	ND<1000	200	5.0	1,2,3-Trichlorobenzene	ND<1000	200	5.0
1,2,4-Trichlorobenzene	ND<1000	200	5.0	1,1,1-Trichloroethane	ND<1000	200	5.0
1,1,2-Trichloroethane	ND<1000	200	5.0	Trichloroethene	ND<1000	200	5.0
Trichlorofluoromethane	ND<1000	200	5.0	1,2,3-Trichloropropane	ND<1000	200	5.0
1,2,4-Trimethylbenzene	ND<1000	200	5.0	1,3,5-Trimethylbenzene	ND<1000	200	5.0
Vinyl Acetate	ND<10,000	200	50	Vinyl Chloride	ND<1000	200	5.0
Xylenes	ND<1000	200	5.0				

Surrogate Recoveries (%)

%SS1:	97.8	%SS2:	96.1
%SS3:	88.6		

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.

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.

DHS Certification No. 1644

Edward Hamilton, Lab Director

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Oakland, CA 94608	Client Contact: Ian Young	Date Extracted: 11/27/02
	Client P.O.:	Date Analyzed: 12/05/02-12/06/02

Volatiles Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0211485

Lab ID	0211485-032A
Client ID	SB-8-9
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<1000	20	50	Benzene	ND<100	20	5.0
Bromobenzene	ND<100	20	5.0	Bromochloromethane	ND<100	20	5.0
Bromodichloromethane	ND<100	20	5.0	Bromoform	ND<100	20	5.0
Bromomethane	ND<100	20	5.0	2-Butanone (MEK)	ND<200	20	10
n-Butyl benzene	ND<100	20	5.0	sec-Butyl benzene	ND<100	20	5.0
tert-Butyl benzene	ND<100	20	5.0	Carbon Disulfide	ND<100	20	5.0
Carbon Tetrachloride	ND<100	20	5.0	Chlorobenzene	ND<100	20	5.0
Chloroethane	ND<100	20	5.0	2-Chloroethyl Vinyl Ether	ND<100	20	5.0
Chloroform	ND<100	20	5.0	Chloromethane	ND<100	20	5.0
2-Chlorotoluene	ND<100	20	5.0	4-Chlorotoluene	ND<100	20	5.0
Dibromochloromethane	ND<100	20	5.0	1,2-Dibromo-3-chloropropane	ND<100	20	5.0
1,2-Dibromoethane (EDB)	ND<100	20	5.0	Dibromomethane	ND<100	20	5.0
1,2-Dichlorobenzene	ND<100	20	5.0	1,3-Dichlorobenzene	ND<100	20	5.0
1,4-Dichlorobenzene	ND<100	20	5.0	Dichlorodifluoromethane	ND<100	20	5.0
1,1-Dichloroethane	ND<100	20	5.0	1,2-Dichloroethane (1,2-DCA)	ND<100	20	5.0
1,1-Dichloroethene	ND<100	20	5.0	cis-1,2-Dichloroethene	ND<100	20	5.0
trans-1,2-Dichloroethene	ND<100	20	5.0	1,2-Dichloropropane	ND<100	20	5.0
1,3-Dichloropropane	ND<100	20	5.0	2,2-Dichloropropane	ND<100	20	5.0
1,1-Dichloropropene	ND<100	20	5.0	cis-1,3-Dichloropropene	ND<100	20	5.0
trans-1,3-Dichloropropene	ND<100	20	5.0	Ethylbenzene	ND<100	20	5.0
Hexachlorobutadiene	ND<100	20	5.0	2-Hexanone	ND<100	20	5.0
Iodomethane (Methyl iodide)	ND<200	20	10	4-Isopropyl toluene	ND<100	20	5.0
Isopropylbenzene	ND<100	20	5.0	4-Methyl-2-pentanone (MIBK)	ND<100	20	5.0
Methylene chloride	ND<100	20	5.0	Methyl-t-butyl ether (MTBE)	ND<100	20	5.0
Naphthalene	ND<100	20	5.0	n-Propyl benzene	ND<100	20	5.0
Styrene	ND<100	20	5.0	1,1,1,2-Tetrachloroethane	ND<100	20	5.0
1,1,2,2-Tetrachloroethane	ND<100	20	5.0	Tetrachloroethene	ND<100	20	5.0
Toluene	ND<100	20	5.0	1,2,3-Trichlorobenzene	ND<100	20	5.0
1,2,4-Trichlorobenzene	ND<100	20	5.0	1,1,1-Trichloroethane	ND<100	20	5.0
1,1,2-Trichloroethane	ND<100	20	5.0	Trichloroethene	ND<100	20	5.0
Trichlorofluoromethane	ND<100	20	5.0	1,2,3-Trichloropropane	ND<100	20	5.0
1,2,4-Trimethylbenzene	ND<100	20	5.0	1,3,5-Trimethylbenzene	ND<100	20	5.0
Vinyl Acetate	ND<1000	20	50	Vinyl Chloride	ND<100	20	5.0
Xylenes	ND<100	20	5.0				

Surrogate Recoveries (%)

%SS1:	97.4	%SS2:	96.6
%SS3:	96.0		

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.

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.

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Cambria Env. Technology	Client Project ID: #522-1000; Nady Systems	Date Sampled: 11/25/02
1144 65th Street, Suite C		Date Received: 11/27/02
Oakland, CA 94608	Client Contact: Ian Young	Date Extracted: 11/27/02
	Client P.O.:	Date Analyzed: 12/05/02-12/06/02

Volatiles Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0211485

Lab ID	0211485-033A
Client ID	SB-9-6
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<100	2.0	50	Benzene	ND<10	2.0	5.0
Bromobenzene	ND<10	2.0	5.0	Bromochloromethane	ND<10	2.0	5.0
Bromodichloromethane	ND<10	2.0	5.0	Bromoform	ND<10	2.0	5.0
Bromomethane	ND<10	2.0	5.0	2-Butanone (MEK)	ND<20	2.0	10
n-Butyl benzene	ND<10	2.0	5.0	sec-Butyl benzene	ND<10	2.0	5.0
tert-Butyl benzene	ND<10	2.0	5.0	Carbon Disulfide	ND<10	2.0	5.0
Carbon Tetrachloride	ND<10	2.0	5.0	Chlorobenzene	ND<10	2.0	5.0
Chloroethane	ND<10	2.0	5.0	2-Chloroethyl Vinyl Ether	ND<10	2.0	5.0
Chloroform	ND<10	2.0	5.0	Chloromethane	ND<10	2.0	5.0
2-Chlorotoluene	ND<10	2.0	5.0	4-Chlorotoluene	ND<10	2.0	5.0
Dibromochloromethane	ND<10	2.0	5.0	1,2-Dibromo-3-chloropropane	ND<10	2.0	5.0
1,2-Dibromoethane (EDB)	ND<10	2.0	5.0	Dibromomethane	ND<10	2.0	5.0
1,2-Dichlorobenzene	ND<10	2.0	5.0	1,3-Dichlorobenzene	ND<10	2.0	5.0
1,4-Dichlorobenzene	ND<10	2.0	5.0	Dichlorodifluoromethane	ND<10	2.0	5.0
1,1-Dichloroethane	ND<10	2.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND<10	2.0	5.0
1,1-Dichloroethene	ND<10	2.0	5.0	cis-1,2-Dichloroethene	ND<10	2.0	5.0
trans-1,2-Dichloroethene	ND<10	2.0	5.0	1,2-Dichloropropane	ND<10	2.0	5.0
1,3-Dichloropropane	ND<10	2.0	5.0	2,2-Dichloropropane	ND<10	2.0	5.0
1,1-Dichloropropene	ND<10	2.0	5.0	cis-1,3-Dichloropropene	ND<10	2.0	5.0
trans-1,3-Dichloropropene	ND<10	2.0	5.0	Ethylbenzene	ND<10	2.0	5.0
Hexachlorobutadiene	ND<10	2.0	5.0	2-Hexanone	ND<10	2.0	5.0
Iodomethane (Methyl iodide)	ND<20	2.0	10	4-Isopropyl toluene	ND<10	2.0	5.0
Isopropylbenzene	ND<10	2.0	5.0	4-Methyl-2-pentanone (MIBK)	ND<10	2.0	5.0
Methylene chloride	ND<10	2.0	5.0	Methyl-t-butyl ether (MTBE)	ND<10	2.0	5.0
Naphthalene	ND<10	2.0	5.0	n-Propyl benzene	ND<10	2.0	5.0
Styrene	ND<10	2.0	5.0	1,1,1,2-Tetrachloroethane	ND<10	2.0	5.0
1,1,2,2-Tetrachloroethane	ND<10	2.0	5.0	Tetrachloroethene	ND<10	2.0	5.0
Toluene	ND<10	2.0	5.0	1,2,3-Trichlorobenzene	ND<10	2.0	5.0
1,2,4-Trichlorobenzene	ND<10	2.0	5.0	1,1,1-Trichloroethane	ND<10	2.0	5.0
1,1,2-Trichloroethane	ND<10	2.0	5.0	Trichloroethene	ND<10	2.0	5.0
Trichlorofluoromethane	ND<10	2.0	5.0	1,2,3-Trichloropropane	ND<10	2.0	5.0
1,2,4-Trimethylbenzene	ND<10	2.0	5.0	1,3,5-Trimethylbenzene	ND<10	2.0	5.0
Vinyl Acetate	ND<100	2.0	50	Vinyl Chloride	ND<10	2.0	5.0
Xylenes	ND<10	2.0	5.0				

Surrogate Recoveries (%)

%SS1:	91.9	%SS2:	94.8
%SS3:	87.0		

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.

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.

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Oakland, CA 94608	Client Contact: Ian Young	Date Extracted: 11/27/02
	Client P.O.:	Date Analyzed: 12/05/02-12/06/02

Volatiles Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0211485

Lab ID	0211485-034A
Client ID	SB-9-9
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	50	Benzene	ND	1.0	5.0
Bromobenzene	ND	1.0	5.0	Bromochloromethane	ND	1.0	5.0
Bromodichloromethane	ND	1.0	5.0	Bromoform	ND	1.0	5.0
Bromomethane	ND	1.0	5.0	2-Butanone (MEK)	ND	1.0	10
n-Butyl benzene	ND	1.0	5.0	sec-Butyl benzene	ND	1.0	5.0
tert-Butyl benzene	ND	1.0	5.0	Carbon Disulfide	ND	1.0	5.0
Carbon Tetrachloride	ND	1.0	5.0	Chlorobenzene	ND	1.0	5.0
Chloroethane	ND	1.0	5.0	2-Chloroethyl Vinyl Ether	ND	1.0	5.0
Chloroform	ND	1.0	5.0	Chloromethane	ND	1.0	5.0
2-Chlorotoluene	ND	1.0	5.0	4-Chlorotoluene	ND	1.0	5.0
Dibromochloromethane	ND	1.0	5.0	1,2-Dibromo-3-chloropropane	ND	1.0	5.0
1,2-Dibromoethane (EDB)	ND	1.0	5.0	Dibromomethane	ND	1.0	5.0
1,2-Dichlorobenzene	ND	1.0	5.0	1,3-Dichlorobenzene	ND	1.0	5.0
1,4-Dichlorobenzene	ND	1.0	5.0	Dichlorodifluoromethane	ND	1.0	5.0
1,1-Dichloroethane	ND	1.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND	1.0	5.0
1,1-Dichloroethene	ND	1.0	5.0	cis-1,2-Dichloroethene	ND	1.0	5.0
trans-1,2-Dichloroethene	ND	1.0	5.0	1,2-Dichloropropane	ND	1.0	5.0
1,3-Dichloropropane	ND	1.0	5.0	2,2-Dichloropropane	ND	1.0	5.0
1,1-Dichloropropene	ND	1.0	5.0	cis-1,3-Dichloropropene	ND	1.0	5.0
trans-1,3-Dichloropropene	ND	1.0	5.0	Ethylbenzene	ND	1.0	5.0
Hexachlorobutadiene	ND	1.0	5.0	2-Hexanone	ND	1.0	5.0
Iodomethane (Methyl iodide)	ND	1.0	10	4-Isopropyl toluene	ND	1.0	5.0
Isopropylbenzene	ND	1.0	5.0	4-Methyl-2-pentanone (MIBK)	ND	1.0	5.0
Methylene chloride	ND	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND	1.0	5.0
Naphthalene	ND	1.0	5.0	n-Propyl benzene	ND	1.0	5.0
Styrene	ND	1.0	5.0	1,1,1,2-Tetrachloroethane	ND	1.0	5.0
1,1,2,2-Tetrachloroethane	ND	1.0	5.0	Tetrachloroethene	ND	1.0	5.0
Toluene	ND	1.0	5.0	1,2,3-Trichlorobenzene	ND	1.0	5.0
1,2,4-Trichlorobenzene	ND	1.0	5.0	1,1,1-Trichloroethane	ND	1.0	5.0
1,1,2-Trichloroethane	ND	1.0	5.0	Trichloroethene	ND	1.0	5.0
Trichlorofluoromethane	ND	1.0	5.0	1,2,3-Trichloropropane	ND	1.0	5.0
1,2,4-Trimethylbenzene	ND	1.0	5.0	1,3,5-Trimethylbenzene	ND	1.0	5.0
Vinyl Acetate	ND	1.0	50	Vinyl Chloride	ND	1.0	5.0
Xylenes	ND	1.0	5.0				

Surrogate Recoveries (%)

%SS1:	71.0	%SS2:	102
%SS3:	94.7		

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.

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.

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	Client P.O.:	Date Analyzed: 12/05/02-12/06/02

Volatiles Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0211485

Lab ID	0211485-041A
Client ID	SB-10-3
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	50	Benzene	ND	1.0	5.0
Bromobenzene	ND	1.0	5.0	Bromochloromethane	ND	1.0	5.0
Bromodichloromethane	ND	1.0	5.0	Bromoform	ND	1.0	5.0
Bromomethane	ND	1.0	5.0	2-Butanone (MEK)	ND	1.0	10
n-Butyl benzene	ND	1.0	5.0	sec-Butyl benzene	ND	1.0	5.0
tert-Butyl benzene	ND	1.0	5.0	Carbon Disulfide	ND	1.0	5.0
Carbon Tetrachloride	ND	1.0	5.0	Chlorobenzene	ND	1.0	5.0
Chloroethane	ND	1.0	5.0	2-Chloroethyl Vinyl Ether	ND	1.0	5.0
Chloroform	ND	1.0	5.0	Chloromethane	ND	1.0	5.0
2-Chlorotoluene	ND	1.0	5.0	4-Chlorotoluene	ND	1.0	5.0
Dibromochloromethane	ND	1.0	5.0	1,2-Dibromo-3-chloropropane	ND	1.0	5.0
1,2-Dibromoethane (EDB)	ND	1.0	5.0	Dibromomethane	ND	1.0	5.0
1,2-Dichlorobenzene	ND	1.0	5.0	1,3-Dichlorobenzene	ND	1.0	5.0
1,4-Dichlorobenzene	ND	1.0	5.0	Dichlorodifluoromethane	ND	1.0	5.0
1,1-Dichloroethane	ND	1.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND	1.0	5.0
1,1-Dichloroethene	ND	1.0	5.0	cis-1,2-Dichloroethene	ND	1.0	5.0
trans-1,2-Dichloroethene	ND	1.0	5.0	1,2-Dichloropropane	ND	1.0	5.0
1,3-Dichloropropane	ND	1.0	5.0	2,2-Dichloropropane	ND	1.0	5.0
1,1-Dichloropropene	ND	1.0	5.0	cis-1,3-Dichloropropene	ND	1.0	5.0
trans-1,3-Dichloropropene	ND	1.0	5.0	Ethylbenzene	ND	1.0	5.0
Hexachlorobutadiene	ND	1.0	5.0	2-Hexanone	ND	1.0	5.0
Iodomethane (Methyl iodide)	ND	1.0	10	4-Isopropyl toluene	ND	1.0	5.0
Isopropylbenzene	ND	1.0	5.0	4-Methyl-2-pentanone (MIBK)	ND	1.0	5.0
Methylene chloride	ND	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND	1.0	5.0
Naphthalene	ND	1.0	5.0	n-Propyl benzene	ND	1.0	5.0
Styrene	ND	1.0	5.0	1,1,1,2-Tetrachloroethane	ND	1.0	5.0
1,1,2,2-Tetrachloroethane	ND	1.0	5.0	Tetrachloroethene	56	1.0	5.0
Toluene	ND	1.0	5.0	1,2,3-Trichlorobenzene	ND	1.0	5.0
1,2,4-Trichlorobenzene	ND	1.0	5.0	1,1,1-Trichloroethane	ND	1.0	5.0
1,1,2-Trichloroethane	ND	1.0	5.0	Trichloroethene	ND	1.0	5.0
Trichlorofluoromethane	ND	1.0	5.0	1,2,3-Trichloropropane	ND	1.0	5.0
1,2,4-Trimethylbenzene	ND	1.0	5.0	1,3,5-Trimethylbenzene	ND	1.0	5.0
Vinyl Acetate	ND	1.0	50	Vinyl Chloride	ND	1.0	5.0
Xylenes	ND	1.0	5.0				

Surrogate Recoveries (%)

%SS1:	73.2	%SS2:	101
%SS3:	95.2		

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.

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.

DHS Certification No. 1644

Edward Hamilton, Lab Director

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Cambria Env. Technology 1144 65th Street, Suite C Oakland, CA 94608	Client Project ID: #522-1000; Nady Systems	Date Sampled: 11/25/02
		Date Received: 11/27/02
	Client Contact: Ian Young	Date Extracted: 11/27/02
	Client P.O.:	Date Analyzed: 12/05/02-12/06/02

Volatiles Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0211485

Lab ID	0211485-042A
Client ID	SB-10-6
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<500	10	50	Benzene	ND<50	10	5.0
Bromobenzene	ND<50	10	5.0	Bromochloromethane	ND<50	10	5.0
Bromodichloromethane	ND<50	10	5.0	Bromoform	ND<50	10	5.0
Bromomethane	ND<50	10	5.0	2-Butanone (MEK)	ND<100	10	10
n-Butyl benzene	260	10	5.0	sec-Butyl benzene	260	10	5.0
tert-Butyl benzene	ND<50	10	5.0	Carbon Disulfide	ND<50	10	5.0
Carbon Tetrachloride	ND<50	10	5.0	Chlorobenzene	ND<50	10	5.0
Chloroethane	ND<50	10	5.0	2-Chloroethyl Vinyl Ether	ND<50	10	5.0
Chloroform	ND<50	10	5.0	Chloromethane	ND<50	10	5.0
2-Chlorotoluene	ND<50	10	5.0	4-Chlorotoluene	ND<50	10	5.0
Dibromochloromethane	ND<50	10	5.0	1,2-Dibromo-3-chloropropane	ND<50	10	5.0
1,2-Dibromoethane (EDB)	ND<50	10	5.0	Dibromomethane	ND<50	10	5.0
1,2-Dichlorobenzene	ND<50	10	5.0	1,3-Dichlorobenzene	ND<50	10	5.0
1,4-Dichlorobenzene	ND<50	10	5.0	Dichlorodifluoromethane	ND<50	10	5.0
1,1-Dichloroethane	ND<50	10	5.0	1,2-Dichloroethane (1,2-DCA)	ND<50	10	5.0
1,1-Dichloroethene	ND<50	10	5.0	cis-1,2-Dichloroethene	ND<50	10	5.0
trans-1,2-Dichloroethene	ND<50	10	5.0	1,2-Dichloropropane	ND<50	10	5.0
1,3-Dichloropropane	ND<50	10	5.0	2,2-Dichloropropane	ND<50	10	5.0
1,1-Dichloropropene	ND<50	10	5.0	cis-1,3-Dichloropropene	ND<50	10	5.0
trans-1,3-Dichloropropene	ND<50	10	5.0	Ethylbenzene	ND<50	10	5.0
Hexachlorobutadiene	ND<50	10	5.0	2-Hexanone	ND<50	10	5.0
Iodomethane (Methyl iodide)	ND<100	10	10	4-Isopropyl toluene	71	10	5.0
Isopropylbenzene	ND<50	10	5.0	4-Methyl-2-pentanone (MIBK)	ND<50	10	5.0
Methylene chloride	ND<50	10	5.0	Methyl-t-butyl ether (MTBE)	ND<50	10	5.0
Naphthalene	ND<50	10	5.0	n-Propyl benzene	100	10	5.0
Styrene	ND<50	10	5.0	1,1,1,2-Tetrachloroethane	ND<50	10	5.0
1,1,2,2-Tetrachloroethane	ND<50	10	5.0	Tetrachloroethene	ND<50	10	5.0
Toluene	ND<50	10	5.0	1,2,3-Trichlorobenzene	ND<50	10	5.0
1,2,4-Trichlorobenzene	ND<50	10	5.0	1,1,1-Trichloroethane	ND<50	10	5.0
1,1,2-Trichloroethane	ND<50	10	5.0	Trichloroethene	ND<50	10	5.0
Trichlorofluoromethane	ND<50	10	5.0	1,2,3-Trichloropropane	ND<50	10	5.0
1,2,4-Trimethylbenzene	ND<50	10	5.0	1,3,5-Trimethylbenzene	ND<50	10	5.0
Vinyl Acetate	ND<500	10	50	Vinyl Chloride	ND<50	10	5.0
Xylenes	ND<50	10	5.0				

Surrogate Recoveries (%)

%SS1:	74.2	%SS2:	95.4
%SS3:	89.9		

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.

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.

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Cambria Env. Technology	Client Project ID: #522-1000; Nady Systems	Date Sampled: 11/25/02
		Date Received: 11/27/02
1144 65th Street, Suite C	Client Contact: Ian Young	Date Extracted: 11/27/02
Oakland, CA 94608	Client P.O.:	Date Analyzed: 12/05/02-12/06/02

Volatiles Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0211485

Lab ID	0211485-043A
Client ID	SB-10-9
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<5000	100	50	Benzene	ND<500	100	5.0
Bromobenzene	ND<500	100	5.0	Bromochloromethane	ND<500	100	5.0
Bromodichloromethane	ND<500	100	5.0	Bromoform	ND<500	100	5.0
Bromomethane	ND<500	100	5.0	2-Butanone (MEK)	ND<1000	100	10
n-Butyl benzene	ND<500	100	5.0	sec-Butyl benzene	ND<500	100	5.0
tert-Butyl benzene	ND<500	100	5.0	Carbon Disulfide	ND<500	100	5.0
Carbon Tetrachloride	ND<500	100	5.0	Chlorobenzene	ND<500	100	5.0
Chloroethane	ND<500	100	5.0	2-Chloroethyl Vinyl Ether	ND<500	100	5.0
Chloroform	ND<500	100	5.0	Chloromethane	ND<500	100	5.0
2-Chlorotoluene	ND<500	100	5.0	4-Chlorotoluene	ND<500	100	5.0
Dibromochloromethane	ND<500	100	5.0	1,2-Dibromo-3-chloropropane	ND<500	100	5.0
1,2-Dibromoethane (EDB)	ND<500	100	5.0	Dibromomethane	ND<500	100	5.0
1,2-Dichlorobenzene	ND<500	100	5.0	1,3-Dichlorobenzene	ND<500	100	5.0
1,4-Dichlorobenzene	ND<500	100	5.0	Dichlorodifluoromethane	ND<500	100	5.0
1,1-Dichloroethane	ND<500	100	5.0	1,2-Dichloroethane (1,2-DCA)	ND<500	100	5.0
1,1-Dichloroethene	ND<500	100	5.0	cis-1,2-Dichloroethene	ND<500	100	5.0
trans-1,2-Dichloroethene	ND<500	100	5.0	1,2-Dichloropropane	ND<500	100	5.0
1,3-Dichloropropane	ND<500	100	5.0	2,2-Dichloropropane	ND<500	100	5.0
1,1-Dichloropropene	ND<500	100	5.0	cis-1,3-Dichloropropene	ND<500	100	5.0
trans-1,3-Dichloropropene	ND<500	100	5.0	Ethylbenzene	ND<500	100	5.0
Hexachlorobutadiene	ND<500	100	5.0	2-Hexanone	ND<500	100	5.0
Iodomethane (Methyl iodide)	ND<1000	100	10	4-Isopropyl toluene	ND<500	100	5.0
Isopropylbenzene	ND<500	100	5.0	4-Methyl-2-pentanone (MIBK)	ND<500	100	5.0
Methylene chloride	ND<500	100	5.0	Methyl-t-butyl ether (MTBE)	ND<500	100	5.0
Naphthalene	ND<500	100	5.0	n-Propyl benzene	ND<500	100	5.0
Styrene	ND<500	100	5.0	1,1,1,2-Tetrachloroethane	ND<500	100	5.0
1,1,2,2-Tetrachloroethane	ND<500	100	5.0	Tetrachloroethene	ND<500	100	5.0
Toluene	ND<500	100	5.0	1,2,3-Trichlorobenzene	ND<500	100	5.0
1,2,4-Trichlorobenzene	ND<500	100	5.0	1,1,1-Trichloroethane	ND<500	100	5.0
1,1,2-Trichloroethane	ND<500	100	5.0	Trichloroethene	ND<500	100	5.0
Trichlorofluoromethane	ND<500	100	5.0	1,2,3-Trichloropropane	ND<500	100	5.0
1,2,4-Trimethylbenzene	ND<500	100	5.0	1,3,5-Trimethylbenzene	ND<500	100	5.0
Vinyl Acetate	ND<5000	100	50	Vinyl Chloride	ND<500	100	5.0
Xylenes	ND<500	100	5.0				

Surrogate Recoveries (%)

%SS1:	77.4	%SS2:	93.4
%SS3:	95.3		

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.

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Cambria Env. Technology	Client Project ID: #522-1000; Nady Systems	Date Sampled: 11/25/02
1144 65th Street, Suite C		Date Received: 11/27/02
Oakland, CA 94608	Client Contact: Ian Young	Date Extracted: 11/27/02
	Client P.O.:	Date Analyzed: 12/05/02-12/06/02

Volatiles Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0211485

Lab ID	0211485-044A
Client ID	SB-10-12
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	50	Benzene	ND	1.0	5.0
Bromobenzene	ND	1.0	5.0	Bromochloromethane	ND	1.0	5.0
Bromodichloromethane	ND	1.0	5.0	Bromoform	ND	1.0	5.0
Bromomethane	ND	1.0	5.0	2-Butanone (MEK)	ND	1.0	10
n-Butyl benzene	ND	1.0	5.0	sec-Butyl benzene	ND	1.0	5.0
tert-Butyl benzene	ND	1.0	5.0	Carbon Disulfide	ND	1.0	5.0
Carbon Tetrachloride	ND	1.0	5.0	Chlorobenzene	ND	1.0	5.0
Chloroethane	ND	1.0	5.0	2-Chloroethyl Vinyl Ether	ND	1.0	5.0
Chloroform	ND	1.0	5.0	Chloromethane	ND	1.0	5.0
2-Chlorotoluene	ND	1.0	5.0	4-Chlorotoluene	ND	1.0	5.0
Dibromochloromethane	ND	1.0	5.0	1,2-Dibromo-3-chloropropane	ND	1.0	5.0
1,2-Dibromoethane (EDB)	ND	1.0	5.0	Dibromomethane	ND	1.0	5.0
1,2-Dichlorobenzene	ND	1.0	5.0	1,3-Dichlorobenzene	ND	1.0	5.0
1,4-Dichlorobenzene	ND	1.0	5.0	Dichlorodifluoromethane	ND	1.0	5.0
1,1-Dichloroethane	ND	1.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND	1.0	5.0
1,1-Dichloroethene	ND	1.0	5.0	cis-1,2-Dichloroethene	44	1.0	5.0
trans-1,2-Dichloroethene	ND	1.0	5.0	1,2-Dichloropropane	ND	1.0	5.0
1,3-Dichloropropane	ND	1.0	5.0	2,2-Dichloropropane	ND	1.0	5.0
1,1-Dichloropropene	ND	1.0	5.0	cis-1,3-Dichloropropene	ND	1.0	5.0
trans-1,3-Dichloropropene	ND	1.0	5.0	Ethylbenzene	ND	1.0	5.0
Hexachlorobutadiene	ND	1.0	5.0	2-Hexanone	ND	1.0	5.0
Iodomethane (Methyl iodide)	ND	1.0	10	4-Isopropyl toluene	ND	1.0	5.0
Isopropylbenzene	ND	1.0	5.0	4-Methyl-2-pentanone (MIBK)	ND	1.0	5.0
Methylene chloride	ND	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND	1.0	5.0
Naphthalene	ND	1.0	5.0	n-Propyl benzene	ND	1.0	5.0
Styrene	ND	1.0	5.0	1,1,1,2-Tetrachloroethane	ND	1.0	5.0
1,1,2,2-Tetrachloroethane	ND	1.0	5.0	Tetrachloroethene	ND	1.0	5.0
Toluene	ND	1.0	5.0	1,2,3-Trichlorobenzene	ND	1.0	5.0
1,2,4-Trichlorobenzene	ND	1.0	5.0	1,1,1-Trichloroethane	ND	1.0	5.0
1,1,2-Trichloroethane	ND	1.0	5.0	Trichloroethene	ND	1.0	5.0
Trichlorofluoromethane	ND	1.0	5.0	1,2,3-Trichloropropane	ND	1.0	5.0
1,2,4-Trimethylbenzene	ND	1.0	5.0	1,3,5-Trimethylbenzene	ND	1.0	5.0
Vinyl Acetate	ND	1.0	50	Vinyl Chloride	18	1.0	5.0
Xylenes	ND	1.0	5.0				

Surrogate Recoveries (%)

%SS1:	74.9	%SS2:	98.0
%SS3:	93.6		

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.

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1144 65th Street, Suite C		Date Received: 11/27/02
Oakland, CA 94608	Client Contact: Ian Young	Date Extracted: 11/27/02
	Client P.O.:	Date Analyzed: 12/05/02-12/06/02

Volatiles Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0211485

Lab ID	0211485-046A
Client ID	SB-11-7.5
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	50	Benzene	ND	1.0	5.0
Bromobenzene	ND	1.0	5.0	Bromochloromethane	ND	1.0	5.0
Bromodichloromethane	ND	1.0	5.0	Bromoform	ND	1.0	5.0
Bromomethane	ND	1.0	5.0	2-Butanone (MEK)	ND	1.0	10
n-Butyl benzene	ND	1.0	5.0	sec-Butyl benzene	ND	1.0	5.0
tert-Butyl benzene	ND	1.0	5.0	Carbon Disulfide	ND	1.0	5.0
Carbon Tetrachloride	ND	1.0	5.0	Chlorobenzene	ND	1.0	5.0
Chloroethane	ND	1.0	5.0	2-Chloroethyl Vinyl Ether	ND	1.0	5.0
Chloroform	ND	1.0	5.0	Chloromethane	ND	1.0	5.0
2-Chlorotoluene	ND	1.0	5.0	4-Chlorotoluene	ND	1.0	5.0
Dibromochloromethane	ND	1.0	5.0	1,2-Dibromo-3-chloropropane	ND	1.0	5.0
1,2-Dibromoethane (EDB)	ND	1.0	5.0	Dibromomethane	ND	1.0	5.0
1,2-Dichlorobenzene	ND	1.0	5.0	1,3-Dichlorobenzene	ND	1.0	5.0
1,4-Dichlorobenzene	ND	1.0	5.0	Dichlorodifluoromethane	ND	1.0	5.0
1,1-Dichloroethane	ND	1.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND	1.0	5.0
1,1-Dichloroethene	ND	1.0	5.0	cis-1,2-Dichloroethene	ND	1.0	5.0
trans-1,2-Dichloroethene	ND	1.0	5.0	1,2-Dichloropropane	ND	1.0	5.0
1,3-Dichloropropane	ND	1.0	5.0	2,2-Dichloropropane	ND	1.0	5.0
1,1-Dichloropropene	ND	1.0	5.0	cis-1,3-Dichloropropene	ND	1.0	5.0
trans-1,3-Dichloropropene	ND	1.0	5.0	Ethylbenzene	ND	1.0	5.0
Hexachlorobutadiene	ND	1.0	5.0	2-Hexanone	ND	1.0	5.0
Iodomethane (Methyl iodide)	ND	1.0	10	4-Isopropyl toluene	ND	1.0	5.0
Isopropylbenzene	ND	1.0	5.0	4-Methyl-2-pentanone (MIBK)	ND	1.0	5.0
Methylene chloride	ND	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND	1.0	5.0
Naphthalene	ND	1.0	5.0	n-Propyl benzene	ND	1.0	5.0
Styrene	ND	1.0	5.0	1,1,1,2-Tetrachloroethane	ND	1.0	5.0
1,1,2,2-Tetrachloroethane	ND	1.0	5.0	Tetrachloroethene	ND	1.0	5.0
Toluene	ND	1.0	5.0	1,2,3-Trichlorobenzene	ND	1.0	5.0
1,2,4-Trichlorobenzene	ND	1.0	5.0	1,1,1-Trichloroethane	ND	1.0	5.0
1,1,2-Trichloroethane	ND	1.0	5.0	Trichloroethene	ND	1.0	5.0
Trichlorofluoromethane	ND	1.0	5.0	1,2,3-Trichloropropane	ND	1.0	5.0
1,2,4-Trimethylbenzene	ND	1.0	5.0	1,3,5-Trimethylbenzene	ND	1.0	5.0
Vinyl Acetate	ND	1.0	50	Vinyl Chloride	ND	1.0	5.0
Xylenes	ND	1.0	5.0				

Surrogate Recoveries (%)

%SS1:	70	%SS2:	94.6
%SS3:	94.0		

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.

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.

DHS Certification No. 1644

Edward Hamilton, Lab Director

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Cambria Env. Technology	Client Project ID: #522-1000; Nady Systems	Date Sampled: 11/25/02
1144 65th Street, Suite C		Date Received: 11/27/02
Oakland, CA 94608	Client Contact: Ian Young	Date Extracted: 11/27/02
	Client P.O.:	Date Analyzed: 11/28/02-12/03/02

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

Extraction Method: SW5030B | Analytical Method: SW8021B/8015Cm | Work Order: 0211485

Lab ID	0211485-001A	0211485-002A	0211485-004A	0211485-006A	Reporting Limit for DF =1	
Client ID	SB-1-3.5	SB-1-7.5	SB-2-3.5	SB-2-11.5		
Matrix	S	S	S	S		
DF	1	1	1	1	S	W
Compound	**Concentration**				mg/Kg	ug/L
TPH(g)	2.6	ND	ND	ND	1.0	NA
TPH(ss)	1.7	ND	ND	ND	1.0	NA
MTBE	ND	ND	ND	ND	0.05	NA
Benzene	ND	ND	ND	ND	0.005	NA
Toluene	0.068	ND	ND	ND	0.005	NA
Ethylbenzene	0.026	ND	ND	ND	0.005	NA
Xylenes	0.21	ND	ND	ND	0.005	NA
Surrogate Recoveries (%)						
%SS:	---#	102	97.1	108		
Comments	e,b					

*water and vapor samples are reported in µg/L, soil and sludge samples in mg/kg, wipe samples in µg/wipe, and TCLP extracts in µg/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; Nady Systems	Date Sampled: 11/25/02
1144 65th Street, Suite C		Date Received: 11/27/02
Oakland, CA 94608	Client Contact: Ian Young	Date Extracted: 11/27/02
	Client P.O.:	Date Analyzed: 11/28/02-12/03/02

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

Extraction Method: SW5030B Analytical Method: SW8021B/8015Cm Work Order: 0211485

Lab ID	0211485-014A	0211485-015A	0211485-016A	0211485-017A	Reporting Limit for DF =1	
Client ID	SB-3-7.5	SB-3-11.5	SB-4-3.5	SB-4-7.5		
Matrix	S	S	S	S		
DF	10	1	1	1	S	W
Compound	**Concentration**				mg/Kg	ug/L
TPH(g)	190	ND	ND	ND	1.0	NA
TPH(ss)	180	ND	ND	ND	1.0	NA
MTBE	ND<0.5	ND	ND	ND	0.05	NA
Benzene	ND<0.05	ND	ND	ND	0.005	NA
Toluene	0.20	ND	ND	ND	0.005	NA
Ethylbenzene	ND<0.05	ND	ND	ND	0.005	NA
Xylenes	0.69	ND	ND	ND	0.005	NA
Surrogate Recoveries (%)						
%SS:	111	96.0	101	98.5		
Comments	e					

*water and vapor samples are reported in µg/L, soil and sludge samples in mg/kg, wipe samples in µg/wipe, and TCLP extracts in µg/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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	Client P.O.:	Date Analyzed: 11/28/02-12/03/02

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

Extraction Method: SW5030B | Analytical Method: SW8021B/8015Cm | Work Order: 0211485

Lab ID	0211485-020A	0211485-021A	0211485-025A	0211485-026A	Reporting Limit for DF =1	
Client ID	SB-5-7.5	SB-5-11.5	SB-7-3.5	SB-7-7.5		
Matrix	S	S	S	S		
DF	33	1	200	100	S	W
Compound	**Concentration**				mg/Kg	ug/L
TPH(g)	1200	ND	810	380	1.0	NA
TPH(ss)	1300	ND	750	350	1.0	NA
MTBE	ND<1.7	ND	ND<10	ND<5.0	0.05	NA
Benzene	ND<0.2	ND	ND<1	ND<0.5	0.005	NA
Toluene	ND<0.2	ND	ND<1	ND<0.5	0.005	NA
Ethylbenzene	ND<0.2	ND	ND<1	ND<0.5	0.005	NA
Xylenes	4.7	ND	4.2	2.3	0.005	NA
Surrogate Recoveries (%)						
%SS:	98.1	99.1	91.1	94.3		
Comments	e		e	e		

*water and vapor samples are reported in µg/L, soil and sludge samples in mg/kg, wipe samples in µg/wipe, and TCLP extracts in µg/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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Oakland, CA 94608	Client Contact: Ian Young	Date Extracted: 11/27/02
	Client P.O.:	Date Analyzed: 11/28/02-12/03/02

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

Extraction Method: SW5030B | Analytical Method: SW8021B/8015Cm | Work Order: 0211485

Lab ID	0211485-029A	0211485-030A	0211485-031A	0211485-032A	Reporting Limit for DF =1	
Client ID	SB-7-17.5	SB-8-3	SB-8-6	SB-8-9		
Matrix	S	S	S	S		
DF	200	200	200	20	S	W
Compound	**Concentration**				mg/Kg	ug/L
TPH(g)	890	3500	6400	380	1.0	NA
TPH(ss)	830	3600	6600	380	1.0	NA
MTBE	ND<10	ND<10	ND<10	ND<1	0.05	NA
Benzene	ND<1	ND<1	ND<1	ND<0.1	0.005	NA
Toluene	ND<1	ND<1	ND<1	ND<0.1	0.005	NA
Ethylbenzene	ND<1	ND<1	2.0	0.21	0.005	NA
Xylenes	3.7	8.4	23	1.9	0.005	NA
Surrogate Recoveries (%)						
%SS:	90.2	91.0	94.5	96.0		
Comments	e	e	e	e		

*water and vapor samples are reported in µg/L, soil and sludge samples in mg/kg, wipe samples in µg/wipe, and TCLP extracts in µg/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 1144 65th Street, Suite C Oakland, CA 94608	Client Project ID: #522-1000; Nady Systems	Date Sampled: 11/25/02
		Date Received: 11/27/02
	Client Contact: Ian Young	Date Extracted: 11/27/02
	Client P.O.:	Date Analyzed: 11/28/02-12/03/02

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

Extraction Method: SW5030B Analytical Method: SW8021B/8015Cm Work Order: 0211485

Lab ID	0211485-033A	0211485-034A	0211485-041A	0211485-042A	Reporting Limit for DF =1	
Client ID	SB-9-6	SB-9-9	SB-10-3	SB-10-6		
Matrix	S	S	S	S		
DF	1	1	1	5	S	W
Compound	**Concentration**				mg/Kg	ug/L
TPH(g)	9.5	ND	ND	140	1.0	NA
TPH(ss)	9.4	ND	ND	140	1.0	NA
MTBE	ND	ND	ND	ND<0.2	0.05	NA
Benzene	ND	ND	ND	ND<0.02	0.005	NA
Toluene	0.0050	ND	ND	ND<0.02	0.005	NA
Ethylbenzene	ND	ND	ND	ND<0.02	0.005	NA
Xylenes	0.048	ND	ND	0.60	0.005	NA
Surrogate Recoveries (%)						
%SS:	90.6	94.2	99.2	89.8		
Comments	e			e		

*water and vapor samples are reported in µg/L, soil and sludge samples in mg/kg, wipe samples in µg/wipe, and TCLP extracts in µg/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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1144 65th Street, Suite C		Date Received: 11/27/02
Oakland, CA 94608	Client Contact: Ian Young	Date Extracted: 11/27/02
	Client P.O.:	Date Analyzed: 11/28/02-12/03/02

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

Extraction Method: SW5030B | Analytical Method: SW8021B/8015Cm | Work Order: 0211485

Lab ID	0211485-043A	0211485-044A	0211485-046A		Reporting Limit for DF =1	
Client ID	SB-10-9	SB-10-12	SB-11-7.5			
Matrix	S	S	S			
DF	20	1	1		S	W
Compound	**Concentration**				mg/Kg	ug/L
TPH(g)	180	ND	ND		1.0	NA
TPH(ss)	140	ND	ND		1.0	NA
MTBE	ND<1	ND	ND		0.05	NA
Benzene	ND<0.1	ND	ND		0.005	NA
Toluene	ND<0.1	ND	ND		0.005	NA
Ethylbenzene	ND<0.1	ND	ND		0.005	NA
Xylenes	1.3	ND	ND		0.005	NA
Surrogate Recoveries (%)						
%SS:	92.3	105	103			
Comments	e					

*water and vapor samples are reported in µg/L, soil and sludge samples in mg/kg, wipe samples in µg/wipe, and TCLP extracts in µg/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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Oakland, CA 94608	Client Contact: Ian Young	Date Extracted: 11/27/02
	Client P.O.:	Date Analyzed: 11/27/02-12/03/02

Lead by ICP*

Extraction method: SW3050B | Analytical methods: 6010C | Work Order: 0211485

Lab ID	Client ID	Matrix	Extraction	Lead	DF	% SS
0211485-001A	SB-1-3.5	S	TTLC	37	1	94.5
0211485-002A	SB-1-7.5	S	TTLC	5.8	1	92.4
0211485-004A	SB-2-3.5	S	TTLC	3.9	1	92.9
0211485-006A	SB-2-11.5	S	TTLC	6.8	1	90.9
0211485-014A	SB-3-7.5	S	TTLC	ND	1	92.0
0211485-015A	SB-3-11.5	S	TTLC	9.7	1	92.7
0211485-016A	SB-4-3.5	S	TTLC	3.1	1	96.9
0211485-017A	SB-4-7.5	S	TTLC	21	1	95.6
0211485-020A	SB-5-7.5	S	TTLC	4.2	1	89.6
0211485-021A	SB-5-11.5	S	TTLC	ND	1	95.6
0211485-025A	SB-7-3.5	S	TTLC	8.5	1	93.5
0211485-026A	SB-7-7.5	S	TTLC	6.1	1	93.4
0211485-029A	SB-7-17.5	S	TTLC	6.6	1	90.4
0211485-030A	SB-8-3	S	TTLC	6.1	1	92.4
0211485-031A	SB-8-6	S	TTLC	7.5	1	92.9
0211485-032A	SB-8-9	S	TTLC	7.5	1	92.8
Reporting Limit for DF =1; ND means not detected at or above the reporting limit		W	TTLC	NA		mg/L
		S	TTLC	3.0		mg/Kg

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

ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

Analytical Methods: EPA 6010C/200.7 for all elements except: 200.9 (water- Sb, As, Pb, Se, Tl); 245.1 (Hg); 7010 (sludge/soil/solid/oil/product/wipes - As, Se, Tl); 7471B (Hg).

DISTLC extractions are performed using STLC methodology except that deionized water is substituted for citric acid buffer as the extraction fluid. DISTLC results are not applicable to STLC regulatory limits.

i) liquid sample that contains greater than ~2 vol. % sediment; this sediment is extracted with the liquid, in accordance with EPA methodologies and can significantly effect reported metal concentrations; j) reporting limit raised due to insufficient sample amount; z) reporting limit raised due to matrix interference.

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Cambria Env. Technology 1144 65th Street, Suite C Oakland, CA 94608	Client Project ID: #522-1000; Nady Systems	Date Sampled: 11/25/02
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	Client Contact: Ian Young	Date Extracted: 11/27/02
	Client P.O.:	Date Analyzed: 11/27/02-12/03/02

Lead by ICP*

Extraction method: SW3050B | Analytical methods: 6010C | Work Order: 0211485

Lab ID	Client ID	Matrix	Extraction	Lead	DF	% SS
0211485-033A	SB-9-6	S	TTLC	6.4	1	93.8
0211485-034A	SB-9-9	S	TTLC	6.0	1	91.7
0211485-041A	SB-10-3	S	TTLC	5.0	1	93.8
0211485-042A	SB-10-6	S	TTLC	6.4	1	93.5
0211485-043A	SB-10-9	S	TTLC	ND	1	93.8
0211485-044A	SB-10-12	S	TTLC	ND	1	96.1
0211485-046A	SB-11-7.5	S	TTLC	9.1	1	94.9

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TTLC	NA	mg/L
	S	TTLC	3.0	mg/Kg

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

ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

Analytical Methods: EPA 6010C/200.7 for all elements except: 200.9 (water- Sb, As, Pb, Se, Tl); 245.1 (Hg); 7010 (sludge/soil/solid/oil/product/wipes - As, Se, Tl); 7471B (Hg).

DISTLC extractions are performed using STLC methodology except that deionized water is substituted for citric acid buffer as the extraction fluid. DISTLC results are not applicable to STLC regulatory limits.

i) liquid sample that contains greater than ~2 vol. % sediment; this sediment is extracted with the liquid, in accordance with EPA methodologies and can significantly effect reported metal concentrations; j) reporting limit raised due to insufficient sample amount; z) reporting limit raised due to matrix interference.

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QC SUMMARY REPORT FOR SW8021B/8015Cm

Matrix: S WorkOrder: 0211485

EPA Method: SW8021B/8015Cm Extraction: SW5030B BatchID: 5079 Spiked Sample ID: 0211469-001A

Compound	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(gas)	ND	0.60	102	97.9	3.92	108	109	0.324	80	120
MTBE	ND	0.10	95.4	96.4	1.04	105	105	0.735	80	120
Benzene	ND	0.10	98.1	102	3.61	97.9	98.1	0.175	80	120
Toluene	ND	0.10	92	94.1	2.17	102	102	0.144	80	120
Ethylbenzene	ND	0.10	96.1	97.3	1.31	103	102	1.04	80	120
Xylenes	ND	0.30	93.3	93.3	0	107	107	0	80	120
%SS:	108	100	98	103	4.72	87.8	87.2	0.696	80	120

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.

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.

% 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.

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QC SUMMARY REPORT FOR SW8021B/8015Cm

Matrix: S WorkOrder: 0211485

EPA Method: SW8021B/8015Cm Extraction: SW5030B BatchID: 5097 Spiked Sample ID: 0211485-041A

Compound	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(gas)	ND	0.60	103	102	0.967	102	102	0.901	80	120
MTBE	ND	0.10	88.1	95.1	7.70	106	92.8	12.9	80	120
Benzene	ND	0.10	98.1	96.1	2.07	107	90.8	16.1	80	120
Toluene	ND	0.10	103	97.7	5.13	102	87.1	15.7	80	120
Ethylbenzene	ND	0.10	97.3	94.9	2.41	105	94.2	10.9	80	120
Xylenes	ND	0.30	100	99.7	0.334	96.7	93.3	3.51	80	120
%SS:	99.2	100	90.4	87.3	3.46	110	96.6	13.1	80	120

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.

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.

% 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.

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QC SUMMARY REPORT FOR SW8015C

Matrix: S WorkOrder: 0211485

EPA Method: SW8015C	Extraction: SW3550C	BatchID: 5093	Spiked Sample ID: 0211485-014A

Compound	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	98.4	98	0.384	88.1	88.6	0.610	70	130
%SS:	92.7	100	103	103	0.0871	107	111	3.87	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.

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.

% 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.

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

QC SUMMARY REPORT FOR SW8015C

Matrix: S WorkOrder: 0211485

EPA Method: SW8015C	Extraction: SW3550C	BatchID: 5094	Spiked Sample ID: 0211489-009A

Compound	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	99.8	99.7	0.127	89.2	86.6	3.02	70	130
%SS:	87.1	100	102	102	0.224	105	101	4.42	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.

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.

% 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.

McCampbell Analytical Inc.
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QC SUMMARY REPORT FOR SW8260B

Matrix: S WorkOrder: 0211485

EPA Method: SW8260B Extraction: SW5030B BatchID: 5071 Spiked Sample ID: N/A

Compound	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/Kg	µg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
Benzene	N/A	50	N/A	N/A	N/A	129	115	11.5	70	130
Chlorobenzene	N/A	50	N/A	N/A	N/A	118	104	12.7	70	130
1,1-Dichloroethene	N/A	50	N/A	N/A	N/A	87.2	87.8	0.672	70	130
Methyl-t-butyl ether (MTBE)	N/A	50	N/A	N/A	N/A	118	115	2.38	70	130
Toluene	N/A	50	N/A	N/A	N/A	120	111	7.09	70	130
Trichloroethene	N/A	50	N/A	N/A	N/A	94.3	79.7	16.8	70	130
%SS1:	N/A	100	N/A	N/A	N/A	86.6	104	18.3	70	130
%SS2:	N/A	100	N/A	N/A	N/A	99.1	100	0.905	70	130
%SS3:	N/A	100	N/A	N/A	N/A	98	102	4.04	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

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

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.

% 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.

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QC SUMMARY REPORT FOR SW8260B

Matrix: S WorkOrder: 0211485

EPA Method: SW8260B	Extraction: SW5030B			BatchID: 5095		Spiked Sample ID: N/A				
Compound	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/Kg	µg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
Benzene	N/A	50	N/A	N/A	N/A	122	115	6.04	70	130
Chlorobenzene	N/A	50	N/A	N/A	N/A	112	113	1.49	70	130
1,1-Dichloroethene	N/A	50	N/A	N/A	N/A	105	82.5	24.3	70	130
Methyl-t-butyl ether (MTBE)	N/A	50	N/A	N/A	N/A	96.6	72.2	28.9	70	130
Toluene	N/A	50	N/A	N/A	N/A	116	123	6.17	70	130
Trichloroethene	N/A	50	N/A	N/A	N/A	76	74.7	1.74	70	130
%SS1:	N/A	100	N/A	N/A	N/A	104	79.1	27.2	70	130
%SS2:	N/A	100	N/A	N/A	N/A	98.2	95.2	3.15	70	130
%SS3:	N/A	100	N/A	N/A	N/A	93.3	92.1	1.28	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

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

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.

% 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.

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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 6010C

Matrix: S WorkOrder: 0211485

EPA Method: 6010C	Extraction: SW3050B			BatchID: 5096			Spiked Sample ID: 0211492-004A			
Compound	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
Lead	7.103	500	93.7	95.8	2.14	96.3	93.7	2.80	70	130
%SS:	97.6	100	94.3	94.2	0.0142	95.5	93.2	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.

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.

% 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.

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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 6010C

Matrix: S WorkOrder: 0211485

EPA Method: 6010C	Extraction: SW3050B			BatchID: 5091			Spiked Sample ID: 0211485-041A			
Compound	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
Lead	N/A	500	N/A	N/A	N/A	94	102	7.77	70	130
%SS:	N/A	100	N/A	N/A	N/A	95.9	97	1.22	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.

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.

% 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.

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

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0211485

Client:
Cambria Env. Technology
1144 65th Street, Suite C
Oakland, CA 94608

TEL: (510) 420-0700
FAX: (510) 420-9170
ProjectNo: #522-1000; Nady Systems
PO:

Date Received: **11/27/02**
Date Printed: **11/27/02**

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests						
					6010C	SW8015C	8021B/8015	SW8260B			
0211485-001	SB-1-3.5	Soil	11/25/02 7:55:00 AM	☐	A	A	A	A			
0211485-002	SB-1-7.5	Soil	11/25/02 8:05:00 AM	☐	A	A	A	A			
0211485-003	SB-1-11.5	Soil	11/25/02 8:15:00 AM	☑	A	A	A	A			
0211485-004	SB-2-3.5	Soil	11/25/02 8:30:00 AM	☐	A	A	A	A			
0211485-005	SB-2-7.5	Soil	11/25/02 8:35:00 AM	☑	A	A	A	A			
0211485-006	SB-2-11.5	Soil	11/25/02 8:40:00 AM	☐	A	A	A	A			
0211485-007	SB-2-14.5	Soil	11/25/02 8:50:00 AM	☑	A	A	A	A			
0211485-008	SB-2-17.5	Soil	11/25/02 9:00:00 AM	☑	A	A	A	A			
0211485-009	SB-2-21.5	Soil	11/25/02 9:15:00 AM	☑	A	A	A	A			
0211485-010	SB-2-27.5	Soil	11/25/02 9:30:00 AM	☑	A	A	A	A			
0211485-011	SB-2-31.5	Soil	11/25/02 9:50:00 AM	☑	A	A	A	A			
0211485-012	SB-2-35.5	Soil	11/25/02 10:00:00 AM	☑	A	A	A	A			
0211485-013	SB-3-3.5	Soil	11/25/02 2:10:00 AM	☑	A	A	A	A			
0211485-014	SB-3-7.5	Soil	11/25/02 2:15:00 AM	☐	A	A	A	A			
0211485-015	SB-3-11.5	Soil	11/25/02 2:20:00 AM	☐	A	A	A	A			
0211485-016	SB-4-3.5	Soil	11/25/02 10:40:00 AM	☐	A	A	A	A			

Prepared by: _____

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 Second Avenue South, #D7
Pacheco, CA 94553-5560
(925) 798-1620

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0211485

Client:
Cambria Env. Technology
1144 65th Street, Suite C
Oakland, CA 94608

TEL: (510) 420-0700
FAX: (510) 420-9170
ProjectNo: #522-1000; Nady Systems
PO:

Date Received: 11/27/02
Date Printed: 11/27/02

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests						
					6010C	SW8015C	8021B/8015	SW8260B			
0211485-017	SB-4-7.5	Soil	11/25/02 10:45:00 AM	☐	A	A	A	A			
0211485-018	SB-4-11.5	Soil	11/25/02 10:50:00 AM	☑	A	A	A	A			
0211485-019	SB-5-3.5	Soil	11/25/02 12:40:00 PM	☑	A	A	A	A			
0211485-020	SB-5-7.5	Soil	11/25/02 12:45:00 PM	☐	A	A	A	A			
0211485-021	SB-5-11.5	Soil	11/25/02 12:50:00 PM	☐	A	A	A	A			
0211485-022	SB-6-3.5	Soil	11/25/02 12:00:00 PM	☑	A	A	A	A			
0211485-023	SB-6-7.5	Soil	11/25/02 12:05:00 PM	☑	A	A	A	A			
0211485-024	SB-6-11.5	Soil	11/25/02 12:15:00 PM	☑	A	A	A	A			
0211485-025	SB-7-3.5	Soil	11/25/02 11:15:00 AM	☐	A	A	A	A			
0211485-026	SB-7-7.5	Soil	11/25/02 11:20:00 AM	☐	A	A	A	A			
0211485-027	SB-7-11.5	Soil	11/25/02 11:20:00 AM	☑	A	A	A	A			
0211485-028	SB-7-15.5	Soil	11/25/02 11:25:00 AM	☑	A	A	A	A			
0211485-029	SB-7-17.5	Soil	11/25/02 11:30:00 AM	☐	A	A	A	A			
0211485-030	SB-8-3	Soil	11/25/02 8:35:00 AM	☐	A	A	A	A			
0211485-031	SB-8-6	Soil	11/25/02 8:40:00 AM	☐	A	A	A	A			
0211485-032	SB-8-9	Soil	11/25/02 8:50:00 AM	☐	A	A	A	A			

Prepared by: _____

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 Second Avenue South, #D7
Pacheco, CA 94553-5560
(925) 798-1620

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0211485

Client:
Cambria Env. Technology
1144 65th Street, Suite C
Oakland, CA 94608

TEL: (510) 420-0700
FAX: (510) 420-9170
ProjectNo: #522-1000; Nady Systems
PO:

Date Received: 11/27/02
Date Printed: 11/27/02

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests						
					6010C	SW8015C	8021B/8015	SW8260B			
0211485-033	SB-9-6	Soil	11/25/02 9:15:00 AM	☐	A	A	A	A			
0211485-034	SB-9-9	Soil	11/25/02 9:20:00 AM	☐	A	A	A	A			
0211485-035	SB-9-12	Soil	11/25/02 9:30:00 AM	☑	A	A	A	A			
0211485-036	SB-9-15	Soil	11/25/02 9:50:00 AM	☑	A	A	A	A			
0211485-037	SB-9-18	Soil	11/25/02 10:10:00 AM	☑	A	A	A	A			
0211485-038	SB-9-21	Soil	11/25/02 10:25:00 AM	☑	A	A	A	A			
0211485-039	SB-9-24	Soil	11/25/02 10:45:00 AM	☑	A	A	A	A			
0211485-040	SB-9-27	Soil	11/25/02 11:20:00 AM	☑	A	A	A	A			
0211485-041	SB-10-3	Soil	11/25/02 12:20:00 PM	☐	A	A	A	A			
0211485-042	SB-10-6	Soil	11/25/02 12:20:00 PM	☐	A	A	A	A			
0211485-043	SB-10-9	Soil	11/25/02 12:30:00 PM	☐	A	A	A	A			
0211485-044	SB-10-12	Soil	11/25/02 12:45:00 PM	☐	A	A	A	A			
0211485-045	SB-11-3.5	Soil	11/25/02 2:30:00 AM	☑	A	A	A	A			
0211485-046	SB-11-7.5	Soil	11/25/02 2:35:00 AM	☐	A	A	A	A			
0211485-047	SB-11-11.5	Soil	11/25/02 2:40:00 AM	☑	A	A	A	A			
0211485-048	SB-11-16.5	Soil	11/25/02 2:45:00 AM	☑	A	A	A	A			

Prepared by: _____

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 Second Avenue South, #D7
Pacheco, CA 94553-5560
(925) 798-1620

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0211485

Client:
Cambria Env. Technology
1144 65th Street, Suite C
Oakland, CA 94608

TEL: (510) 420-0700
FAX: (510) 420-9170
ProjectNo: #522-1000; Nady Systems
PO:

Date Received: 11/27/02
Date Printed: 11/27/02

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests						
					6010C	SW8015C	8021B/8015	SW8260B			
0211485-049	SB-11-19.5	Soil	11/25/02 2:55:00 AM	☑	A	A	A	A			
0211485-050	SB-11-23.5	Soil	11/25/02 3:00:00 AM	☑	A	A	A	A			
0211485-051	SB-11-29.5	Soil	11/25/02 3:20:00 AM	☑	A	A	A	A			

Prepared by: _____

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.

0211463

McCAMPBELL ANALYTICAL INC.

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

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ RUSH ☐ 24 HOUR ☐ 48 HOUR ☑ 5 DAY

Report To: Ian Young Bill To:
Company: Cambria Environmental Technology
1144 65th Street, Suite C
Oakland, CA 94608
Tele: (510) 420-0700 Fax: (510) 420-9170
Project #: 522-1000 Project Name: Nady Systems
Project Location: 1145 65th St.
Sampler Signature: [signature]

SAMPLE ID	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
SB-1-3.5		11/25/02	7:55a	1	Acetate		X				X			
SB-1-7.5			8:05a											
SB-1-11.5			8:15a											
SB-2-3.5			8:30a											
SB-2-7.5			8:35a											
SB-2-11.5			8:40a											
SB-2-14.5			8:50a											
SB-2-17.5			9:00a											
SB-2-21.5			9:15a											
SB-2-27.5			9:30a											
SB-2-31.5			9:50a											
SB-2-35.5			10:00a											
SB-3-3.5			2:10p											
SB-3-7.5			2:15p											
SB-3-11.5		↓	2:20p	↓	↓		↓				↓			

Analysis Request

SAMPLE ID	BTEX & TPH as Gas (602/8020 + 8015)/ MTBE	TPH as Diesel (8015) +MO w/silica gel	Total Petroleum Oil & Grease (5520 E&F/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 601 / 8010	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: TASS Naptha 8015	Other	Other	Comments: Hold pending confirmation of analytes
SB-1-3.5		X							X					X		X			X
SB-1-7.5		X							X					X		X			
SB-1-11.5																			
SB-2-3.5		X							X					X		X			
SB-2-7.5																			
SB-2-11.5		X							X					X		X			
SB-2-14.5																			
SB-2-17.5																			
SB-2-21.5																			
SB-2-27.5																			
SB-2-31.5																			
SB-2-35.5																			
SB-3-3.5																			
SB-3-7.5		X							X					X		X			
SB-3-11.5		X							X					X		X			↓

Relinquished By:	Date:	Time:	Received By:
[signature]	11/25/02		Secure Location
[signature]	11/26/02	1225	D.Roth 275
D Roth 235	11/27	1410	[signature]

Remarks:

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

McCAMPBELL ANALYTICAL INC.

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

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ RUSH ☐ 24 HOUR ☐ 48 HOUR ☑ 5 DAY

Report To: Ian Young Bill To:
Company: Cambria Environmental Technology
1144 65th Street, Suite C
Oakland, CA 94608
Tele: (510) 420-0700 Fax: (510) 420-9170
Project #: 522-1000 Project Name: Navy Systems
Project Location: 1145 65th St.
Sampler Signature:

SAMPLE ID	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
SB-4-3.5		11/25/02	10:40	1	Acetate		X				X			
SB-4-7.5			10:45				X				X			
SB-4-11.5			10:50				X				X			
SB-5-3.5			12:40				X				X			
SB-5-7.5			12:45				X				X			
SB-5-11.5			12:50				X				X			
SB-6-3.5			12:00				X				X			
SB-6-7.5			12:05				X				X			
SB-6-11.5			12:15				X				X			
SB-7-3.5			11:15				X				X			
SB-7-7.5			11:20				X				X			
SB-7-11.5			11:20				X				X			
SB-7-15.5			11:25				X				X			
SB-7-17.5			11:30	↓	↓		X				X			
		↓												

Analysis Request

BTEX & TPH as Gas (602/8020 + 8015) MTBE	TPH as Diesel (8015) + MTBE w/ Silica Gel	Total Petroleum Oil & Grease (5520 E&F/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 601 / 8010	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: GAS, SS, Naphthalene by 8260				Comments
	X							X					X		X					Hold pending confirmation of analytes
	X							X					X		X					
	X							X					X		X					
	X							X					X		X					
	X							X					X		X					
	X							X					X		X					
	X							X					X		X					

Relinquished By: Date: 11/25/02 Time: Received By: Secure Location
Relinquished By: Date: Time: Received By:
Relinquished By: Date: Time: Received By: 11/27/02

Remarks:

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

VOAS	O&G	METALS	OTHER

McCAMPBELL ANALYTICAL INC.

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

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ RUSH ☐ 24 HOUR ☐ 48 HOUR ☑ 5 DAY

Report To: Ian Bill To:
Company: Cambria Environmental Technology
1144 65th Street, Suite C
Oakland, CA 94608
Tele: (510) 420-0700 Fax: (510) 420-9170
Project #: 4522-1000 Project Name: Nady Systems
Project Location: 1145 65th St, Oakland
Sampler Signature:

SAMPLE ID	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 & TPH as Gas (602/8020 + 8015) MTBE	TPH as Diesel (8015) + MD w/silica gel	Total Petroleum Oil & Grease (5520 E&F/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 601 / 8010	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: GAS, BTEX, Naphthalene by 8260	Comments
SB-8-3		11/25/02	8:35a	1	Acetate		X				X					X							X					X		X	Hold Pending confirmation of analysis
SB-8-6			8:40a													X							X					X		X	
SB-8-9			8:50a													X							X					X		X	
SB-9-6			9:15a													X							X					X		X	
SB-9-9			9:20a													X							X					X		X	
SB-9-12			9:30a																												
SB-9-15			9:50a																												
SB-9-18			10:10a																												
SB-9-21			10:25a																												
SB-9-24			10:45a																												
SB-9-27			11:20a																												
SB-10-3			12:20p													X							X					X		X	
SB-10-6			12:20p													X							X					X		X	
SB-10-9			12:35p													X							X					X		X	
SB-10-12		↓	12:45p	↓	↓		↓				↓					X							X					X		X	

Relinquished By:	Date: 11/25/02	Time:	Received By: Secure Location
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By: 11/27/02

Remarks:

	VOAS	O&G	METALS	OTHER
PRESERVATION				

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

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

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ RUSH ☐ 24 HOUR ☐ 48 HOUR ☑ 5 DAY

Report To: Ian Young Bill To:
Company: Cambria Environmental Technology
1144 65th Street, Suite C
Oakland, CA 94608
Tele: (510) 420-0700 Fax: (510) 420-9170
Project #: 522-1000 Project Name: Nidy Systems
Project Location: 1145 65th St.
Sampler Signature: [signature]

SAMPLE ID	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 & TPH as Gas (602/8020 + 8015)/ MTBE	TPH as Diesel (8015) +MO w/silica gel	Total Petroleum Oil & Grease (5520 E&F/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 601 / 8010	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: GASS, Naptha by 8015B	Other	Other	Other	Comments
SB-11-3.5		11/25/02	2:30p	1	Acetate		X				X																							X Hold pending confirmation of analytes
SB-11-7.5			2:35p													X							X					X		X				
SB-11-11.5			2:40p																															
SB-11-16.5			2:45p																															
SB-11-19.5			2:55p																															
SB-11-23.5			3:00p																															
SB-11-29.5			3:20																															

Relinquished By:	Date:	Time:	Received By:
[signature]	11/25/02		Secure Location
Relinquished By: [signature]	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By: [signature] 11/27/02

Remarks:

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

McCampbell Analytical Inc.
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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: #522-10000; Nady Systems	Date Sampled: 11/26/02
1144 65th Street, Suite C		Date Received: 11/27/02
Oakland, CA 94608	Client Contact: Ian Young	Date Extracted: 12/03/02-12/05/02
	Client P.O.:	Date Analyzed: 12/03/02-12/05/02

Gasoline (C6-C12), Stoddard Solvent (C9-C12) Range Volatile Hydrocarbons as Gasoline/Stoddard Solvent*

Extraction method: SW5030B Analytical methods: SW8015Cm Work Order: 0211488

Lab ID	Client ID	Matrix	TPH(g)	TPH(ss)	DF	% SS
0211488-001A	SB-1	W	58,a	ND	1	89.4
0211488-002A	SB-2	W	ND,i	ND	1	88.2
0211488-003A	SB-6	W	8700,e,h,i	7800	5	90.7
0211488-004A	SB-7	W	6100,e,h,i	5800	5	90.7
0211488-005A	SB-8	W	110,000,e,h,i	100,000	100	88.3
0211488-006A	SB-9	W	ND,i	ND	1	96.1
0211488-007A	SB-10	W	260,e,i	200	1	102
0211488-008A	SB-11	W	ND	ND	1	98.1

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

*water and vapor samples are reported in µg/L, soil and sludge samples in mg/kg, wipe samples in µg/wipe, and TCLP extracts in µg/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

Edward Hamilton, Lab Director

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Cambria Env. Technology	Client Project ID: #522-10000; Nady Systems	Date Sampled: 11/26/02
1144 65th Street, Suite C		Date Received: 11/27/02
Oakland, CA 94608	Client Contact: Ian Young	Date Extracted: 11/27/02
	Client P.O.:	Date Analyzed: 11/29/02-12/05/02

Diesel (C10-23) and Oil (C18+) Range Extractable Hydrocarbons with Silica Gel Clean-Up*

Extraction method: SW3510C Analytical methods: SW8015C Work Order: 0211488

Lab ID	Client ID	Matrix	TPH(d)	TPH(mo)	DF	% SS
0211488-001B	SB-1	W	2000,g,b	7500	1	96.1
0211488-002B	SB-2	W	ND,i	ND	1	114
0211488-003B	SB-6	W	23,000,n,g,h,i	620	1	114
0211488-004B	SB-7	W	120,000,nh,i	ND<25,000	100	---#
0211488-005B	SB-8	W	1,200,000,n,h,i	ND<250,000	1000	---#
0211488-006B	SB-9	W	50,g,i	300	1	118
0211488-007B	SB-10	W	350,n,i	ND	1	97.9
0211488-008B	SB-11	W	ND	ND	1	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 and vapor samples are reported in µg/L, wipe samples in ug/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all TCLP / STLC / SPLP extracts 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: #522-10000; Nady Systems	Date Sampled: 11/26/02
1144 65th Street, Suite C		Date Received: 11/27/02
Oakland, CA 94608	Client Contact: Ian Young	Date Extracted: 12/03/02-12/05/02
	Client P.O.:	Date Analyzed: 12/03/02-12/05/02

Volatiles Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0211488

Lab ID	0211488-001C
Client ID	SB-1
Matrix	Water

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	39	1.0	5.0	Benzene	1.7	1.0	0.5
Bromobenzene	ND	1.0	0.5	Bromochloromethane	ND	1.0	0.5
Bromodichloromethane	ND	1.0	0.5	Bromoform	ND	1.0	0.5
Bromomethane	ND	1.0	0.5	2-Butanone (MEK)	6.8	1.0	1.0
n-Butyl benzene	ND	1.0	0.5	sec-Butyl benzene	ND	1.0	0.5
tert-Butyl benzene	ND	1.0	0.5	Carbon Disulfide	0.64	1.0	0.5
Carbon Tetrachloride	ND	1.0	0.5	Chlorobenzene	ND	1.0	0.5
Chloroethane	ND	1.0	0.5	2-Chloroethyl Vinyl Ether	ND	1.0	0.5
Chloroform	ND	1.0	0.5	Chloromethane	ND	1.0	0.5
2-Chlorotoluene	ND	1.0	0.5	4-Chlorotoluene	ND	1.0	0.5
Dibromochloromethane	ND	1.0	0.5	1,2-Dibromo-3-chloropropane	ND	1.0	0.5
1,2-Dibromoethane (EDB)	ND	1.0	0.5	Dibromomethane	ND	1.0	0.5
1,2-Dichlorobenzene	ND	1.0	0.5	1,3-Dichlorobenzene	ND	1.0	0.5
1,4-Dichlorobenzene	ND	1.0	0.5	Dichlorodifluoromethane	ND	1.0	0.5
1,1-Dichloroethane	ND	1.0	0.5	1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.5
1,1-Dichloroethene	ND	1.0	0.5	cis-1,2-Dichloroethene	ND	1.0	0.5
trans-1,2-Dichloroethene	ND	1.0	0.5	1,2-Dichloropropane	ND	1.0	0.5
1,3-Dichloropropane	ND	1.0	0.5	2,2-Dichloropropane	ND	1.0	0.5
1,1-Dichloropropene	ND	1.0	0.5	cis-1,3-Dichloropropene	ND	1.0	0.5
trans-1,3-Dichloropropene	ND	1.0	0.5	Ethylbenzene	0.55	1.0	0.5
Hexachlorobutadiene	ND	1.0	0.5	2-Hexanone	0.58	1.0	0.5
Iodomethane (Methyl iodide)	ND	1.0	1.0	4-Isopropyl toluene	ND	1.0	0.5
Isopropylbenzene	ND	1.0	0.5	4-Methyl-2-pentanone (MIBK)	2.7	1.0	0.5
Methylene chloride	ND	1.0	0.5	Methyl-t-butyl ether (MTBE)	5.1	1.0	0.5
Naphthalene	13	1.0	0.5	n-Propyl benzene	ND	1.0	0.5
Styrene	ND	1.0	0.5	1,1,1,2-Tetrachloroethane	ND	1.0	0.5
1,1,2,2-Tetrachloroethane	ND	1.0	0.5	Tetrachloroethene	1.2	1.0	0.5
Toluene	3.2	1.0	0.5	1,2,3-Trichlorobenzene	ND	1.0	0.5
1,2,4-Trichlorobenzene	ND	1.0	0.5	1,1,1-Trichloroethane	ND	1.0	0.5
1,1,2-Trichloroethane	ND	1.0	0.5	Trichloroethene	ND	1.0	0.5
Trichlorofluoromethane	ND	1.0	0.5	1,2,3-Trichloropropane	ND	1.0	0.5
1,2,4-Trimethylbenzene	0.60	1.0	0.5	1,3,5-Trimethylbenzene	ND	1.0	0.5
Vinyl Acetate	ND	1.0	5.0	Vinyl Chloride	ND	1.0	0.5
Xylenes	3.6	1.0	0.5				

Surrogate Recoveries (%)

%SS1:	98.9	%SS2:	96.8
%SS3:	94.4		

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.

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.

DHS Certification No. 1644

Edward Hamilton, Lab Director

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Cambria Env. Technology	Client Project ID: #522-10000; Nady Systems	Date Sampled: 11/26/02
1144 65th Street, Suite C		Date Received: 11/27/02
Oakland, CA 94608	Client Contact: Ian Young	Date Extracted: 12/03/02-12/05/02
	Client P.O.:	Date Analyzed: 12/03/02-12/05/02

Volatiles Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0211488

Lab ID	0211488-002C
Client ID	SB-2
Matrix	Water

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<10	1.0	5.0	Benzene	ND	1.0	0.5
Bromobenzene	ND	1.0	0.5	Bromochloromethane	ND	1.0	0.5
Bromodichloromethane	ND	1.0	0.5	Bromoform	ND	1.0	0.5
Bromomethane	ND	1.0	0.5	2-Butanone (MEK)	ND	1.0	1.0
n-Butyl benzene	ND	1.0	0.5	sec-Butyl benzene	ND	1.0	0.5
tert-Butyl benzene	ND	1.0	0.5	Carbon Disulfide	ND	1.0	0.5
Carbon Tetrachloride	ND	1.0	0.5	Chlorobenzene	ND	1.0	0.5
Chloroethane	ND	1.0	0.5	2-Chloroethyl Vinyl Ether	ND	1.0	0.5
Chloroform	ND	1.0	0.5	Chloromethane	ND	1.0	0.5
2-Chlorotoluene	ND	1.0	0.5	4-Chlorotoluene	ND	1.0	0.5
Dibromochloromethane	ND	1.0	0.5	1,2-Dibromo-3-chloropropane	ND	1.0	0.5
1,2-Dibromoethane (EDB)	ND	1.0	0.5	Dibromomethane	ND	1.0	0.5
1,2-Dichlorobenzene	ND	1.0	0.5	1,3-Dichlorobenzene	ND	1.0	0.5
1,4-Dichlorobenzene	ND	1.0	0.5	Dichlorodifluoromethane	ND	1.0	0.5
1,1-Dichloroethane	ND	1.0	0.5	1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.5
1,1-Dichloroethene	ND	1.0	0.5	cis-1,2-Dichloroethene	ND	1.0	0.5
trans-1,2-Dichloroethene	ND	1.0	0.5	1,2-Dichloropropane	ND	1.0	0.5
1,3-Dichloropropane	ND	1.0	0.5	2,2-Dichloropropane	ND	1.0	0.5
1,1-Dichloropropene	ND	1.0	0.5	cis-1,3-Dichloropropene	ND	1.0	0.5
trans-1,3-Dichloropropene	ND	1.0	0.5	Ethylbenzene	ND	1.0	0.5
Hexachlorobutadiene	ND	1.0	0.5	2-Hexanone	ND	1.0	0.5
Iodomethane (Methyl iodide)	ND	1.0	1.0	4-Isopropyl toluene	ND	1.0	0.5
Isopropylbenzene	ND	1.0	0.5	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.5
Methylene chloride	ND	1.0	0.5	Methyl-t-butyl ether (MTBE)	ND	1.0	0.5
Naphthalene	ND	1.0	0.5	n-Propyl benzene	ND	1.0	0.5
Styrene	ND	1.0	0.5	1,1,1,2-Tetrachloroethane	ND	1.0	0.5
1,1,2,2-Tetrachloroethane	ND	1.0	0.5	Tetrachloroethene	ND	1.0	0.5
Toluene	ND	1.0	0.5	1,2,3-Trichlorobenzene	ND	1.0	0.5
1,2,4-Trichlorobenzene	ND	1.0	0.5	1,1,1-Trichloroethane	ND	1.0	0.5
1,1,2-Trichloroethane	ND	1.0	0.5	Trichloroethene	ND	1.0	0.5
Trichlorofluoromethane	ND	1.0	0.5	1,2,3-Trichloropropane	ND	1.0	0.5
1,2,4-Trimethylbenzene	ND	1.0	0.5	1,3,5-Trimethylbenzene	ND	1.0	0.5
Vinyl Acetate	ND	1.0	5.0	Vinyl Chloride	ND	1.0	0.5
Xylenes	ND	1.0	0.5				

Surrogate Recoveries (%)

%SS1:	99.8	%SS2:	97.3
%SS3:	98.7		

Comments: 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.

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.

DHS Certification No. 1644

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Cambria Env. Technology	Client Project ID: #522-10000; Nady Systems	Date Sampled: 11/26/02
1144 65th Street, Suite C		Date Received: 11/27/02
Oakland, CA 94608	Client Contact: Ian Young	Date Extracted: 12/03/02-12/05/02
	Client P.O.:	Date Analyzed: 12/03/02-12/05/02

Volatiles Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0211488

Lab ID	0211488-003C
Client ID	SB-6
Matrix	Water

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	14	1.0	5.0	Benzene	2.1	1.0	0.5
Bromobenzene	ND	1.0	0.5	Bromochloromethane	ND	1.0	0.5
Bromodichloromethane	ND	1.0	0.5	Bromoform	ND	1.0	0.5
Bromomethane	ND	1.0	0.5	2-Butanone (MEK)	4.4	1.0	1.0
n-Butyl benzene	4.9	1.0	0.5	sec-Butyl benzene	11	1.0	0.5
tert-Butyl benzene	4.6	1.0	0.5	Carbon Disulfide	ND	1.0	0.5
Carbon Tetrachloride	ND	1.0	0.5	Chlorobenzene	ND	1.0	0.5
Chloroethane	3.8	1.0	0.5	2-Chloroethyl Vinyl Ether	ND	1.0	0.5
Chloroform	ND	1.0	0.5	Chloromethane	ND	1.0	0.5
2-Chlorotoluene	ND	1.0	0.5	4-Chlorotoluene	ND	1.0	0.5
Dibromochloromethane	ND	1.0	0.5	1,2-Dibromo-3-chloropropane	ND	1.0	0.5
1,2-Dibromoethane (EDB)	ND	1.0	0.5	Dibromomethane	ND	1.0	0.5
1,2-Dichlorobenzene	ND	1.0	0.5	1,3-Dichlorobenzene	ND	1.0	0.5
1,4-Dichlorobenzene	ND	1.0	0.5	Dichlorodifluoromethane	ND	1.0	0.5
1,1-Dichloroethane	1.4	1.0	0.5	1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.5
1,1-Dichloroethene	ND	1.0	0.5	cis-1,2-Dichloroethene	1.2	1.0	0.5
trans-1,2-Dichloroethene	2.6	1.0	0.5	1,2-Dichloropropane	ND	1.0	0.5
1,3-Dichloropropane	ND	1.0	0.5	2,2-Dichloropropane	ND	1.0	0.5
1,1-Dichloropropene	ND	1.0	0.5	cis-1,3-Dichloropropene	ND	1.0	0.5
trans-1,3-Dichloropropene	ND	1.0	0.5	Ethylbenzene	ND	1.0	0.5
Hexachlorobutadiene	ND	1.0	0.5	2-Hexanone	ND	1.0	0.5
Iodomethane (Methyl iodide)	ND	1.0	1.0	4-Isopropyl toluene	ND	1.0	0.5
Isopropylbenzene	ND	1.0	0.5	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.5
Methylene chloride	ND	1.0	0.5	Methyl-t-butyl ether (MTBE)	ND	1.0	0.5
Naphthalene	5.3	1.0	0.5	n-Propyl benzene	ND	1.0	0.5
Styrene	ND	1.0	0.5	1,1,1,2-Tetrachloroethane	ND	1.0	0.5
1,1,2,2-Tetrachloroethane	ND	1.0	0.5	Tetrachloroethene	ND	1.0	0.5
Toluene	1.2	1.0	0.5	1,2,3-Trichlorobenzene	ND	1.0	0.5
1,2,4-Trichlorobenzene	ND	1.0	0.5	1,1,1-Trichloroethane	ND	1.0	0.5
1,1,2-Trichloroethane	ND	1.0	0.5	Trichloroethene	ND	1.0	0.5
Trichlorofluoromethane	ND	1.0	0.5	1,2,3-Trichloropropane	ND	1.0	0.5
1,2,4-Trimethylbenzene	ND	1.0	0.5	1,3,5-Trimethylbenzene	ND	1.0	0.5
Vinyl Acetate	ND	1.0	5.0	Vinyl Chloride	0.90	1.0	0.5
Xylenes	0.55	1.0	0.5				

Surrogate Recoveries (%)

%SS1:	105	%SS2:	99.5
%SS3:	110		

Comments: 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.

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.

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Cambria Env. Technology	Client Project ID: #522-10000; Nady Systems	Date Sampled: 11/26/02
1144 65th Street, Suite C		Date Received: 11/27/02
Oakland, CA 94608	Client Contact: Ian Young	Date Extracted: 12/03/02-12/05/02
	Client P.O.:	Date Analyzed: 12/03/02-12/05/02

Volatiles Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0211488

Lab ID	0211488-004C
Client ID	SB-7
Matrix	Water

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	9.2	1.0	5.0	Benzene	ND	1.0	0.5
Bromobenzene	ND	1.0	0.5	Bromochloromethane	ND	1.0	0.5
Bromodichloromethane	ND	1.0	0.5	Bromoform	ND	1.0	0.5
Bromomethane	ND	1.0	0.5	2-Butanone (MEK)	1.5	1.0	1.0
n-Butyl benzene	ND	1.0	0.5	sec-Butyl benzene	ND	1.0	0.5
tert-Butyl benzene	7.3	1.0	0.5	Carbon Disulfide	ND	1.0	0.5
Carbon Tetrachloride	ND	1.0	0.5	Chlorobenzene	ND	1.0	0.5
Chloroethane	16	1.0	0.5	2-Chloroethyl Vinyl Ether	ND	1.0	0.5
Chloroform	ND	1.0	0.5	Chloromethane	ND	1.0	0.5
2-Chlorotoluene	ND	1.0	0.5	4-Chlorotoluene	ND	1.0	0.5
Dibromochloromethane	ND	1.0	0.5	1,2-Dibromo-3-chloropropane	ND	1.0	0.5
1,2-Dibromoethane (EDB)	ND	1.0	0.5	Dibromomethane	ND	1.0	0.5
1,2-Dichlorobenzene	ND	1.0	0.5	1,3-Dichlorobenzene	ND	1.0	0.5
1,4-Dichlorobenzene	ND	1.0	0.5	Dichlorodifluoromethane	ND	1.0	0.5
1,1-Dichloroethane	1.7	1.0	0.5	1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.5
1,1-Dichloroethene	ND	1.0	0.5	cis-1,2-Dichloroethene	ND	1.0	0.5
trans-1,2-Dichloroethene	0.99	1.0	0.5	1,2-Dichloropropane	ND	1.0	0.5
1,3-Dichloropropane	ND	1.0	0.5	2,2-Dichloropropane	ND	1.0	0.5
1,1-Dichloropropene	ND	1.0	0.5	cis-1,3-Dichloropropene	ND	1.0	0.5
trans-1,3-Dichloropropene	ND	1.0	0.5	Ethylbenzene	ND	1.0	0.5
Hexachlorobutadiene	ND	1.0	0.5	2-Hexanone	ND	1.0	0.5
Iodomethane (Methyl iodide)	ND	1.0	1.0	4-Isopropyl toluene	24	1.0	0.5
Isopropylbenzene	0.63	1.0	0.5	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.5
Methylene chloride	ND	1.0	0.5	Methyl-t-butyl ether (MTBE)	ND	1.0	0.5
Naphthalene	7.8	1.0	0.5	n-Propyl benzene	ND	1.0	0.5
Styrene	ND	1.0	0.5	1,1,1,2-Tetrachloroethane	ND	1.0	0.5
1,1,2,2-Tetrachloroethane	16	1.0	0.5	Tetrachloroethene	ND	1.0	0.5
Toluene	0.74	1.0	0.5	1,2,3-Trichlorobenzene	ND	1.0	0.5
1,2,4-Trichlorobenzene	ND	1.0	0.5	1,1,1-Trichloroethane	ND	1.0	0.5
1,1,2-Trichloroethane	ND	1.0	0.5	Trichloroethene	ND	1.0	0.5
Trichlorofluoromethane	ND	1.0	0.5	1,2,3-Trichloropropane	ND	1.0	0.5
1,2,4-Trimethylbenzene	6.6	1.0	0.5	1,3,5-Trimethylbenzene	2.1	1.0	0.5
Vinyl Acetate	ND	1.0	5.0	Vinyl Chloride	1.3	1.0	0.5
Xylenes	3.0	1.0	0.5				

Surrogate Recoveries (%)

%SS1:	101	%SS2:	88.8
%SS3:	110		

Comments: 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.

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Oakland, CA 94608	Client Contact: Ian Young	Date Extracted: 12/03/02-12/05/02
	Client P.O.:	Date Analyzed: 12/03/02-12/05/02

Volatiles Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0211488

Lab ID	0211488-005C
Client ID	SB-8
Matrix	Water

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<200	20	5.0	Benzene	ND<10	20	0.5
Bromobenzene	ND<10	20	0.5	Bromochloromethane	ND<10	20	0.5
Bromodichloromethane	ND<10	20	0.5	Bromoform	ND<10	20	0.5
Bromomethane	ND<10	20	0.5	2-Butanone (MEK)	ND<20	20	1.0
n-Butyl benzene	ND<10	20	0.5	sec-Butyl benzene	ND<10	20	0.5
tert-Butyl benzene	ND<10	20	0.5	Carbon Disulfide	ND<10	20	0.5
Carbon Tetrachloride	ND<10	20	0.5	Chlorobenzene	ND<10	20	0.5
Chloroethane	ND<10	20	0.5	2-Chloroethyl Vinyl Ether	ND<10	20	0.5
Chloroform	ND<10	20	0.5	Chloromethane	ND<10	20	0.5
2-Chlorotoluene	ND<10	20	0.5	4-Chlorotoluene	ND<10	20	0.5
Dibromochloromethane	ND<10	20	0.5	1,2-Dibromo-3-chloropropane	ND<10	20	0.5
1,2-Dibromoethane (EDB)	ND<10	20	0.5	Dibromomethane	ND<10	20	0.5
1,2-Dichlorobenzene	20	20	0.5	1,3-Dichlorobenzene	ND<10	20	0.5
1,4-Dichlorobenzene	ND<10	20	0.5	Dichlorodifluoromethane	ND<10	20	0.5
1,1-Dichloroethane	ND<10	20	0.5	1,2-Dichloroethane (1,2-DCA)	ND<10	20	0.5
1,1-Dichloroethene	ND<10	20	0.5	cis-1,2-Dichloroethene	ND<10	20	0.5
trans-1,2-Dichloroethene	ND<10	20	0.5	1,2-Dichloropropane	ND<10	20	0.5
1,3-Dichloropropane	ND<10	20	0.5	2,2-Dichloropropane	ND<10	20	0.5
1,1-Dichloropropene	ND<10	20	0.5	cis-1,3-Dichloropropene	ND<10	20	0.5
trans-1,3-Dichloropropene	ND<10	20	0.5	Ethylbenzene	ND<10	20	0.5
Hexachlorobutadiene	ND<10	20	0.5	2-Hexanone	ND<10	20	0.5
Iodomethane (Methyl iodide)	ND<20	20	1.0	4-Isopropyl toluene	20	20	0.5
Isopropylbenzene	ND<10	20	0.5	4-Methyl-2-pentanone (MIBK)	ND<10	20	0.5
Methylene chloride	ND<10	20	0.5	Methyl-t-butyl ether (MTBE)	ND<10	20	0.5
Naphthalene	ND<10	20	0.5	n-Propyl benzene	ND<10	20	0.5
Styrene	ND<10	20	0.5	1,1,1,2-Tetrachloroethane	ND<10	20	0.5
1,1,2,2-Tetrachloroethane	ND<10	20	0.5	Tetrachloroethene	ND<10	20	0.5
Toluene	ND<10	20	0.5	1,2,3-Trichlorobenzene	ND<10	20	0.5
1,2,4-Trichlorobenzene	ND<10	20	0.5	1,1,1-Trichloroethane	ND<10	20	0.5
1,1,2-Trichloroethane	ND<10	20	0.5	Trichloroethene	ND<10	20	0.5
Trichlorofluoromethane	ND<10	20	0.5	1,2,3-Trichloropropane	ND<10	20	0.5
1,2,4-Trimethylbenzene	ND<10	20	0.5	1,3,5-Trimethylbenzene	ND<10	20	0.5
Vinyl Acetate	ND<100	20	5.0	Vinyl Chloride	ND<10	20	0.5
Xylenes	ND<10	20	0.5				

Surrogate Recoveries (%)

%SS1:	112	%SS2:	96.4
%SS3:	87.6		

Comments: 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.

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.

DHS Certification No. 1644

Edward Hamilton, Lab Director

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Oakland, CA 94608	Client Contact: Ian Young	Date Extracted: 12/03/02-12/05/02
	Client P.O.:	Date Analyzed: 12/03/02-12/05/02

Volatiles Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0211488

Lab ID	0211488-006C
Client ID	SB-9
Matrix	Water

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	13	1.0	5.0	Benzene	ND	1.0	0.5
Bromobenzene	ND	1.0	0.5	Bromochloromethane	ND	1.0	0.5
Bromodichloromethane	ND	1.0	0.5	Bromoform	ND	1.0	0.5
Bromomethane	ND	1.0	0.5	2-Butanone (MEK)	1.4	1.0	1.0
n-Butyl benzene	ND	1.0	0.5	sec-Butyl benzene	ND	1.0	0.5
tert-Butyl benzene	ND	1.0	0.5	Carbon Disulfide	ND	1.0	0.5
Carbon Tetrachloride	ND	1.0	0.5	Chlorobenzene	ND	1.0	0.5
Chloroethane	ND	1.0	0.5	2-Chloroethyl Vinyl Ether	ND	1.0	0.5
Chloroform	ND	1.0	0.5	Chloromethane	ND	1.0	0.5
2-Chlorotoluene	ND	1.0	0.5	4-Chlorotoluene	ND	1.0	0.5
Dibromochloromethane	ND	1.0	0.5	1,2-Dibromo-3-chloropropane	ND	1.0	0.5
1,2-Dibromoethane (EDB)	ND	1.0	0.5	Dibromomethane	ND	1.0	0.5
1,2-Dichlorobenzene	ND	1.0	0.5	1,3-Dichlorobenzene	ND	1.0	0.5
1,4-Dichlorobenzene	ND	1.0	0.5	Dichlorodifluoromethane	ND	1.0	0.5
1,1-Dichloroethane	ND	1.0	0.5	1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.5
1,1-Dichloroethene	ND	1.0	0.5	cis-1,2-Dichloroethene	ND	1.0	0.5
trans-1,2-Dichloroethene	ND	1.0	0.5	1,2-Dichloropropane	ND	1.0	0.5
1,3-Dichloropropane	ND	1.0	0.5	2,2-Dichloropropane	ND	1.0	0.5
1,1-Dichloropropene	ND	1.0	0.5	cis-1,3-Dichloropropene	ND	1.0	0.5
trans-1,3-Dichloropropene	ND	1.0	0.5	Ethylbenzene	ND	1.0	0.5
Hexachlorobutadiene	ND	1.0	0.5	2-Hexanone	ND	1.0	0.5
Iodomethane (Methyl iodide)	ND	1.0	1.0	4-Isopropyl toluene	ND	1.0	0.5
Isopropylbenzene	ND	1.0	0.5	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.5
Methylene chloride	ND	1.0	0.5	Methyl-t-butyl ether (MTBE)	ND	1.0	0.5
Naphthalene	ND	1.0	0.5	n-Propyl benzene	ND	1.0	0.5
Styrene	ND	1.0	0.5	1,1,1,2-Tetrachloroethane	ND	1.0	0.5
1,1,2,2-Tetrachloroethane	ND	1.0	0.5	Tetrachloroethene	ND	1.0	0.5
Toluene	0.88	1.0	0.5	1,2,3-Trichlorobenzene	ND	1.0	0.5
1,2,4-Trichlorobenzene	ND	1.0	0.5	1,1,1-Trichloroethane	ND	1.0	0.5
1,1,2-Trichloroethane	ND	1.0	0.5	Trichloroethene	ND	1.0	0.5
Trichlorofluoromethane	ND	1.0	0.5	1,2,3-Trichloropropane	ND	1.0	0.5
1,2,4-Trimethylbenzene	ND	1.0	0.5	1,3,5-Trimethylbenzene	ND	1.0	0.5
Vinyl Acetate	ND	1.0	5.0	Vinyl Chloride	ND	1.0	0.5
Xylenes	ND	1.0	0.5				

Surrogate Recoveries (%)

%SS1:	109	%SS2:	99.3
%SS3:	93.1		

Comments: 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.

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	Client P.O.:	Date Analyzed: 12/03/02-12/05/02

Volatiles Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0211488

Lab ID	0211488-007C
Client ID	SB-10
Matrix	Water

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<25	5.0	5.0	Benzene	ND<2.5	5.0	0.5
Bromobenzene	ND<2.5	5.0	0.5	Bromochloromethane	ND<2.5	5.0	0.5
Bromodichloromethane	ND<2.5	5.0	0.5	Bromoform	ND<2.5	5.0	0.5
Bromomethane	ND<2.5	5.0	0.5	2-Butanone (MEK)	5.6	5.0	1.0
n-Butyl benzene	ND<2.5	5.0	0.5	sec-Butyl benzene	ND<2.5	5.0	0.5
tert-Butyl benzene	ND<2.5	5.0	0.5	Carbon Disulfide	ND<2.5	5.0	0.5
Carbon Tetrachloride	ND<2.5	5.0	0.5	Chlorobenzene	ND<2.5	5.0	0.5
Chloroethane	ND<2.5	5.0	0.5	2-Chloroethyl Vinyl Ether	ND<2.5	5.0	0.5
Chloroform	ND<2.5	5.0	0.5	Chloromethane	ND<2.5	5.0	0.5
2-Chlorotoluene	ND<2.5	5.0	0.5	4-Chlorotoluene	ND<2.5	5.0	0.5
Dibromochloromethane	ND<2.5	5.0	0.5	1,2-Dibromo-3-chloropropane	ND<2.5	5.0	0.5
1,2-Dibromoethane (EDB)	ND<2.5	5.0	0.5	Dibromomethane	ND<2.5	5.0	0.5
1,2-Dichlorobenzene	ND<2.5	5.0	0.5	1,3-Dichlorobenzene	ND<2.5	5.0	0.5
1,4-Dichlorobenzene	ND<2.5	5.0	0.5	Dichlorodifluoromethane	ND<2.5	5.0	0.5
1,1-Dichloroethane	19	5.0	0.5	1,2-Dichloroethane (1,2-DCA)	ND<2.5	5.0	0.5
1,1-Dichloroethene	ND<2.5	5.0	0.5	cis-1,2-Dichloroethene	170	5.0	0.5
trans-1,2-Dichloroethene	3.9	5.0	0.5	1,2-Dichloropropane	ND<2.5	5.0	0.5
1,3-Dichloropropane	ND<2.5	5.0	0.5	2,2-Dichloropropane	ND<2.5	5.0	0.5
1,1-Dichloropropene	ND<2.5	5.0	0.5	cis-1,3-Dichloropropene	ND<2.5	5.0	0.5
trans-1,3-Dichloropropene	ND<2.5	5.0	0.5	Ethylbenzene	ND<2.5	5.0	0.5
Hexachlorobutadiene	ND<2.5	5.0	0.5	2-Hexanone	ND<2.5	5.0	0.5
Iodomethane (Methyl iodide)	ND<5.0	5.0	1.0	4-Isopropyl toluene	ND<2.5	5.0	0.5
Isopropylbenzene	ND<2.5	5.0	0.5	4-Methyl-2-pentanone (MIBK)	ND<2.5	5.0	0.5
Methylene chloride	ND<2.5	5.0	0.5	Methyl-t-butyl ether (MTBE)	ND<2.5	5.0	0.5
Naphthalene	ND<2.5	5.0	0.5	n-Propyl benzene	ND<2.5	5.0	0.5
Styrene	ND<2.5	5.0	0.5	1,1,1,2-Tetrachloroethane	ND<2.5	5.0	0.5
1,1,2,2-Tetrachloroethane	ND<2.5	5.0	0.5	Tetrachloroethene	ND<2.5	5.0	0.5
Toluene	3.4	5.0	0.5	1,2,3-Trichlorobenzene	ND<2.5	5.0	0.5
1,2,4-Trichlorobenzene	ND<2.5	5.0	0.5	1,1,1-Trichloroethane	ND<2.5	5.0	0.5
1,1,2-Trichloroethane	ND<2.5	5.0	0.5	Trichloroethene	ND<2.5	5.0	0.5
Trichlorofluoromethane	ND<2.5	5.0	0.5	1,2,3-Trichloropropane	ND<2.5	5.0	0.5
1,2,4-Trimethylbenzene	8.1	5.0	0.5	1,3,5-Trimethylbenzene	ND<2.5	5.0	0.5
Vinyl Acetate	ND<25	5.0	5.0	Vinyl Chloride	45	5.0	0.5
Xylenes	ND<2.5	5.0	0.5				

Surrogate Recoveries (%)

%SS1:	108	%SS2:	98.3
%SS3:	105		

Comments: 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.

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.

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	Client P.O.:	Date Analyzed: 12/03/02-12/05/02

Volatiles Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0211488

Lab ID	0211488-008C
Client ID	SB-11
Matrix	Water

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<10	1.0	5.0	Benzene	ND	1.0	0.5
Bromobenzene	ND	1.0	0.5	Bromochloromethane	ND	1.0	0.5
Bromodichloromethane	ND	1.0	0.5	Bromoform	ND	1.0	0.5
Bromomethane	ND	1.0	0.5	2-Butanone (MEK)	ND	1.0	1.0
n-Butyl benzene	ND	1.0	0.5	sec-Butyl benzene	ND	1.0	0.5
tert-Butyl benzene	ND	1.0	0.5	Carbon Disulfide	ND	1.0	0.5
Carbon Tetrachloride	ND	1.0	0.5	Chlorobenzene	ND	1.0	0.5
Chloroethane	ND	1.0	0.5	2-Chloroethyl Vinyl Ether	ND	1.0	0.5
Chloroform	ND	1.0	0.5	Chloromethane	ND	1.0	0.5
2-Chlorotoluene	ND	1.0	0.5	4-Chlorotoluene	ND	1.0	0.5
Dibromochloromethane	ND	1.0	0.5	1,2-Dibromo-3-chloropropane	ND	1.0	0.5
1,2-Dibromoethane (EDB)	ND	1.0	0.5	Dibromomethane	ND	1.0	0.5
1,2-Dichlorobenzene	ND	1.0	0.5	1,3-Dichlorobenzene	ND	1.0	0.5
1,4-Dichlorobenzene	ND	1.0	0.5	Dichlorodifluoromethane	ND	1.0	0.5
1,1-Dichloroethane	ND	1.0	0.5	1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.5
1,1-Dichloroethene	ND	1.0	0.5	cis-1,2-Dichloroethene	ND	1.0	0.5
trans-1,2-Dichloroethene	ND	1.0	0.5	1,2-Dichloropropane	ND	1.0	0.5
1,3-Dichloropropane	ND	1.0	0.5	2,2-Dichloropropane	ND	1.0	0.5
1,1-Dichloropropene	ND	1.0	0.5	cis-1,3-Dichloropropene	ND	1.0	0.5
trans-1,3-Dichloropropene	ND	1.0	0.5	Ethylbenzene	ND	1.0	0.5
Hexachlorobutadiene	ND	1.0	0.5	2-Hexanone	ND	1.0	0.5
Iodomethane (Methyl iodide)	ND	1.0	1.0	4-Isopropyl toluene	ND	1.0	0.5
Isopropylbenzene	ND	1.0	0.5	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.5
Methylene chloride	ND	1.0	0.5	Methyl-t-butyl ether (MTBE)	3.9	1.0	0.5
Naphthalene	ND	1.0	0.5	n-Propyl benzene	ND	1.0	0.5
Styrene	ND	1.0	0.5	1,1,1,2-Tetrachloroethane	ND	1.0	0.5
1,1,2,2-Tetrachloroethane	ND	1.0	0.5	Tetrachloroethene	ND	1.0	0.5
Toluene	ND	1.0	0.5	1,2,3-Trichlorobenzene	ND	1.0	0.5
1,2,4-Trichlorobenzene	ND	1.0	0.5	1,1,1-Trichloroethane	ND	1.0	0.5
1,1,2-Trichloroethane	ND	1.0	0.5	Trichloroethene	ND	1.0	0.5
Trichlorofluoromethane	ND	1.0	0.5	1,2,3-Trichloropropane	ND	1.0	0.5
1,2,4-Trimethylbenzene	ND	1.0	0.5	1,3,5-Trimethylbenzene	ND	1.0	0.5
Vinyl Acetate	ND	1.0	5.0	Vinyl Chloride	ND	1.0	0.5
Xylenes	ND	1.0	0.5				

Surrogate Recoveries (%)

%SS1:	108	%SS2:	99.0
%SS3:	94.6		

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.

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.

DHS Certification No. 1644

Edward Hamilton, Lab Director

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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: #522-10000; Nady Systems	Date Sampled: 11/26/02
1144 65th Street, Suite C		Date Received: 11/27/02
Oakland, CA 94608	Client Contact: Ian Young	Date Extracted: 12/03/02-12/05/02
	Client P.O.:	Date Analyzed: 12/03/02-12/05/02

Volatiles Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0211488

Lab ID	0211488-009A
Client ID	Trip Blank
Matrix	Water

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<10	1.0	5.0	Benzene	ND	1.0	0.5
Bromobenzene	ND	1.0	0.5	Bromochloromethane	ND	1.0	0.5
Bromodichloromethane	ND	1.0	0.5	Bromoform	ND	1.0	0.5
Bromomethane	ND	1.0	0.5	2-Butanone (MEK)	ND	1.0	1.0
n-Butyl benzene	ND	1.0	0.5	sec-Butyl benzene	ND	1.0	0.5
tert-Butyl benzene	ND	1.0	0.5	Carbon Disulfide	ND	1.0	0.5
Carbon Tetrachloride	ND	1.0	0.5	Chlorobenzene	ND	1.0	0.5
Chloroethane	ND	1.0	0.5	2-Chloroethyl Vinyl Ether	ND	1.0	0.5
Chloroform	ND	1.0	0.5	Chloromethane	ND	1.0	0.5
2-Chlorotoluene	ND	1.0	0.5	4-Chlorotoluene	ND	1.0	0.5
Dibromochloromethane	ND	1.0	0.5	1,2-Dibromo-3-chloropropane	ND	1.0	0.5
1,2-Dibromoethane (EDB)	ND	1.0	0.5	Dibromomethane	ND	1.0	0.5
1,2-Dichlorobenzene	ND	1.0	0.5	1,3-Dichlorobenzene	ND	1.0	0.5
1,4-Dichlorobenzene	ND	1.0	0.5	Dichlorodifluoromethane	ND	1.0	0.5
1,1-Dichloroethane	ND	1.0	0.5	1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.5
1,1-Dichloroethene	ND	1.0	0.5	cis-1,2-Dichloroethene	ND	1.0	0.5
trans-1,2-Dichloroethene	ND	1.0	0.5	1,2-Dichloropropane	ND	1.0	0.5
1,3-Dichloropropane	ND	1.0	0.5	2,2-Dichloropropane	ND	1.0	0.5
1,1-Dichloropropene	ND	1.0	0.5	cis-1,3-Dichloropropene	ND	1.0	0.5
trans-1,3-Dichloropropene	ND	1.0	0.5	Ethylbenzene	ND	1.0	0.5
Hexachlorobutadiene	ND	1.0	0.5	2-Hexanone	ND	1.0	0.5
Iodomethane (Methyl iodide)	ND	1.0	1.0	4-Isopropyl toluene	ND	1.0	0.5
Isopropylbenzene	ND	1.0	0.5	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.5
Methylene chloride	ND	1.0	0.5	Methyl-t-butyl ether (MTBE)	ND	1.0	0.5
Naphthalene	ND	1.0	0.5	n-Propyl benzene	ND	1.0	0.5
Styrene	ND	1.0	0.5	1,1,1,2-Tetrachloroethane	ND	1.0	0.5
1,1,2,2-Tetrachloroethane	ND	1.0	0.5	Tetrachloroethene	ND	1.0	0.5
Toluene	ND	1.0	0.5	1,2,3-Trichlorobenzene	ND	1.0	0.5
1,2,4-Trichlorobenzene	ND	1.0	0.5	1,1,1-Trichloroethane	ND	1.0	0.5
1,1,2-Trichloroethane	ND	1.0	0.5	Trichloroethene	ND	1.0	0.5
Trichlorofluoromethane	ND	1.0	0.5	1,2,3-Trichloropropane	ND	1.0	0.5
1,2,4-Trimethylbenzene	ND	1.0	0.5	1,3,5-Trimethylbenzene	ND	1.0	0.5
Vinyl Acetate	ND	1.0	5.0	Vinyl Chloride	ND	1.0	0.5
Xylenes	ND	1.0	0.5				

Surrogate Recoveries (%)

%SS1:	110	%SS2:	100
%SS3:	96.1		

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.

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.

DHS Certification No. 1644

Edward Hamilton, Lab Director

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Cambria Env. Technology 1144 65th Street, Suite C Oakland, CA 94608	Client Project ID: #522-10000; Nady Systems	Date Sampled: 11/26/02
		Date Received: 11/27/02
	Client Contact: Ian Young	Date Extracted: 12/03/02-12/05/02
	Client P.O.:	Date Analyzed: 12/03/02-12/05/02

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

Extraction Method: SW5030B | Analytical Method: SW8021B/8015Cm | Work Order: 0211488

Lab ID	0211488-001A	0211488-002A	0211488-003A	0211488-004A	Reporting Limit for DF =1	
Client ID	SB-1	SB-2	SB-6	SB-7		
Matrix	W	W	W	W		
DF	1	1	5	5	S	W
Compound	**Concentration**				ug/kg	µg/L
TPH(g)	58	ND	8700	6100	NA	50
TPH(ss)	ND	ND	7800	5800	NA	50
MTBE	5.4	ND	ND<25	ND<25	NA	5.0
Benzene	1.0	ND	ND<2.5	ND<2.5	NA	0.5
Toluene	2.4	ND	ND<2.5	ND<2.5	NA	0.5
Ethylbenzene	ND	ND	6.1	2.8	NA	0.5
Xylenes	2.7	ND	19	12	NA	0.5
Surrogate Recoveries (%)						
%SS:	89.4	88.2	90.7	90.7		
Comments	a	i	e,h,i	e,h,i		

*water and vapor samples are reported in µg/L, soil and sludge samples in mg/kg, wipe samples in µg/wipe, and TCLP extracts in µg/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: #522-10000; Nady Systems	Date Sampled: 11/26/02
1144 65th Street, Suite C		Date Received: 11/27/02
Oakland, CA 94608	Client Contact: Ian Young	Date Extracted: 12/03/02-12/05/02
	Client P.O.:	Date Analyzed: 12/03/02-12/05/02

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

Extraction Method: SW5030B | Analytical Method: SW8021B/8015Cm | Work Order: 0211488

Lab ID	0211488-005A	0211488-006A	0211488-007A	0211488-008A	Reporting Limit for DF =1	
Client ID	SB-8	SB-9	SB-10	SB-11		
Matrix	W	W	W	W		
DF	100	1	1	1	S	W
Compound	**Concentration**				ug/kg	µg/L
TPH(g)	110,000	ND	260	ND	NA	50
TPH(ss)	100,000	ND	200	ND	NA	50
MTBE	ND<500	ND	ND	ND	NA	5.0
Benzene	ND<50	ND	1.8	ND	NA	0.5
Toluene	ND<50	0.57	0.56	ND	NA	0.5
Ethylbenzene	ND<50	ND	0.57	ND	NA	0.5
Xylenes	ND<50	ND	1.4	ND	NA	0.5
Surrogate Recoveries (%)						
%SS:	88.3	96.1	102	98.1		
Comments	e,h,i	i	e,i			

*water and vapor samples are reported in µg/L, soil and sludge samples in mg/kg, wipe samples in µg/wipe, and TCLP extracts in µg/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

Edward Hamilton, Lab Director

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QC SUMMARY REPORT FOR SW8021B/8015Cm

Matrix: W WorkOrder: 0211488

EPA Method: SW8021B/8015Cm Extraction: SW5030B BatchID: 5084 Spiked Sample ID: 0211472-018A

Compound	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(gas)	ND	60	103	106	3.02	103	106	3.09	80	120
MTBE	ND	10	91	97.4	6.80	91.5	94.2	2.98	80	120
Benzene	ND	10	95.4	97	1.75	102	106	3.90	80	120
Toluene	ND	10	102	104	2.02	94.3	97.8	3.57	80	120
Ethylbenzene	ND	10	105	107	1.99	100	103	2.60	80	120
Xylenes	ND	30	103	110	6.25	96.7	100	3.39	80	120
%SS:	107	100	98.6	99.9	1.33	100	100	0.0517	80	120

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.

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.

% 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.

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QC SUMMARY REPORT FOR SW8015C

Matrix: W WorkOrder: 0211488

EPA Method: SW8015C Extraction: SW3510C BatchID: 5092 Spiked Sample ID: N/A

Compound	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	98.5	94.9	3.71	70	130
%SS:	N/A	100	N/A	N/A	N/A	116	115	0.969	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.

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.

% 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.

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QC SUMMARY REPORT FOR SW8260B

Matrix: W WorkOrder: 0211488

EPA Method: SW8260B	Extraction: SW5030B			BatchID: 5087		Spiked Sample ID: N/A				
Compound	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
Benzene	N/A	10	N/A	N/A	N/A	116	121	4.52	70	130
Chlorobenzene	N/A	10	N/A	N/A	N/A	108	113	4.40	70	130
1,1-Dichloroethene	N/A	10	N/A	N/A	N/A	88	90.8	3.19	70	130
Methyl-t-butyl ether (MTBE)	N/A	10	N/A	N/A	N/A	110	109	0.950	70	130
Toluene	N/A	10	N/A	N/A	N/A	107	112	4.75	70	130
Trichloroethene	N/A	10	N/A	N/A	N/A	85.7	88.2	2.92	70	130
%SS1:	N/A	100	N/A	N/A	N/A	94.5	93.1	1.58	70	130
%SS2:	N/A	100	N/A	N/A	N/A	95.6	97.3	1.79	70	130
%SS3:	N/A	100	N/A	N/A	N/A	98	98.6	0.572	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.

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.

% 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.

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CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ RUSH ☐ 24 HOUR ☐ 48 HOUR ☑ 5 DAY

Report To: Ian Young Bill To:
Company: Cambria Environmental Technology
1144 65th Street, Suite C
Oakland, CA 94608
Tele: (510) 420-0700 Fax: (510) 420-9170
Project #: 522-1000 Project Name: Nady Systems
Project Location: 1145 65th St., Oakland
Sampler Signature:

SAMPLE ID	LOCATION	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX: Water	Soil	Air	Sludge	Other	METHOD PRESERVED: Ice	HCl	HNO_3	Other
SB-1		11/26/02	3:10p	5	VOA Amber	X					X	X		
SB-2			4:45p			X					X	X		
SB-6			12:25p			X					X	X		
SB-7			10:40a			X					X	X		
SB-8			3:25p			X					X	X		
SB-9			4:15p			X					X	X		
SB-10			4:00p			X					X	X		
SB-11			1:25p	↓	↓	X					X	X		
Trip Blank		↓	5:15p	4	VOA	X					X	X		

Analysis Request

BTEX & TPH as Gas (602/8020 + 8015) MTBE	TPH as Diesel (8015) + MO w/ silica gel cleanup	Total Petroleum Oil & Grease (5520 E&F/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 601 / 8010	BTEX ONLY (EPA 602 / 8020)	EPA 608 / 8080	EPA 608 / 8080 PCB's ONLY	EPA 624 / 8240 / 8260 VOCs	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
X	X							X						

Other: TPH as Gas, Methyl, Stoddard Solvent by 8015m/8020

Comments:

Relinquished By: Date: 11/26/02 Time: 5:15p Received By: Secure Location
Relinquished By: Date: 12:25 Time: 11/27/02 Received By: D. Roth 235
Relinquished By: D. Roth 235 Date: 11/27 Time: 1410 Received By: Melissa Valles

Remarks: Each sample includes 4 VOAs and 1 Amber, excepting the trip blanks

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

VOAS	O&G	METALS	OTHER
✓			

McCampbell Analytical Inc.
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(925) 798-1620

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0211488

Client:
Cambria Env. Technology
1144 65th Street, Suite C
Oakland, CA 94608

TEL: (510) 420-0700
FAX: (510) 420-9170
ProjectNo: #522-10000; Nady Systems
PO:

Date Received: 11/27/02
Date Printed: 11/27/02

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests						
					SW8015C	8021B/8015	SW8260B				
0211488-001	SB-1	Water	11/26/02 3:10:00 PM	☐	B	A	C				
0211488-002	SB-2	Water	11/26/02 4:45:00 PM	☐	B	A	C				
0211488-003	SB-6	Water	11/26/02 12:25:00 PM	☐	B	A	C				
0211488-004	SB-7	Water	11/26/02 12:50:00 PM	☐	B	A	C				
0211488-005	SB-8	Water	11/26/02 3:25:00 PM	☐	B	A	C				
0211488-006	SB-9	Water	11/26/02 4:15:00 PM	☐	B	A	C				
0211488-007	SB-10	Water	11/26/02 4:00:00 PM	☐	B	A	C				
0211488-008	SB-11	Water	11/26/02 1:25:00 PM	☐	B	A	C				
0211488-009	Trip Blank	Water	11/26/02 5:15:00 AM	☐			A				

Prepared by: _____

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.

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Cambria Env. Technology	Client Project ID: #522-1000; Nady Systems	Date Sampled: 11/25/02
1144 65th Street, Suite C		Date Received: 11/27/02
Oakland, CA 94608	Client Contact: Ian Young	Date Extracted: 12/12/02
	Client P.O.:	Date Analyzed: 12/15/02

Gasoline(C6-C12) Stoddard Solvent(C9-C12) Range, Volatile Hydrocarbons as Gasoline & Stoddard Solvent*

Extraction method: SW5030B Analytical methods: SW8021B/8015Cm Work Order: 0211485

Lab ID	Client ID	Matrix	TPH(g)	TPH(ss)	DF	% SS
0211485-018A	SB-4-11.5	S	4.0,b,m	3.6	1	93.3
Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	NA		
	S	1.0	1.0	mg/Kg		

*water and vapor samples are reported in µg/L, soil and sludge samples in mg/kg, wipe samples in µg/wipe, and TCLP extracts in µg/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

Edward Hamilton, Lab Director

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CHAIN OF CUSTODY RECORD

RUSH

TURN AROUND TIME ☐ RUSH ☐ 24 HOUR ☐ 48 HOUR ☑ 5 DAY

Report To: Ian Young Bill To:
Company: Cambria Environmental Technology
1144 65th Street, Suite C
Oakland, CA 94608
Tele: (510) 420-0700 Fax: (510) 420-9170
Project #: 522-1000 Project Name: Valley Systems
Project Location: 1145 65th St.
Sampler Signature:

SAMPLE ID	LOCATION	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX: Water	Soil	Air	Sludge	Other	METHOD PRESERVED: Ice	HCl	HNO_3	Other
SB-4-3.5		11/25/02	10:40	1	Acetate		X				X			
SB-4-7.5			10:45											
SB-4-11.5			10:50											
SB-5-3.5			12:40											
SB-5-7.5			12:45											
SB-5-11.5			12:50											
SB-6-3.5			12:00											
SB-6-7.5			12:05											
SB-6-11.5			12:15											
SB-7-3.5			11:15											
SB-7-7.5			11:20											
SB-7-11.5			11:20											
SB-7-15.5			11:25											
SB-7-17.5			11:30	↓	↓		↓				↓			

Analysis Request

BTEX & TPH as Gas (602/8020 + 8015) MTBE	TPH as Diesel (8015) + Silica Gel	Total Petroleum Oil & Grease (5520 E&F/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 601 / 8010	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
	X							X					X		GAS, BTEX, Naphthalene by 8260	Hold pending confirmation of analytes
	X							X					X		X	
	X							X					X		X	
	X							X					X		X	
	X							X					X		X	
	X							X					X		X	
	X							X					X		X	✓

Relinquished By: Date: 11/25/02 Time: Received By: Sacramento Location

Relinquished By: Date: Time: Received By:

Relinquished By: Date: Time: Received By: 11/27/02

Remarks: Added on 12/2 per Ian on 72hr TAT

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

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

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Cambria Env. Technology	Client Project ID: #522-1000; Nady Systems	Date Sampled: 11/25/02
1144 65th Street, Suite C		Date Received: 11/27/02
Oakland, CA 94608	Client Contact: Ian Young	Date Extracted: 12/12/02
	Client P.O.:	Date Analyzed: 12/12/02

Diesel (C10-23) and Oil (C18+) Range Extractable Hydrocarbons with Silica Gel Clean-Up*

Extraction method: SW3550C Analytical methods: SW8015C Work Order: 0211485

Lab ID	Client ID	Matrix	TPH(d)	TPH(mo)	DF	% SS
0211485-018A	SB-4-11.5	S	4.8,d,g	5.9	1	107
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 and vapor samples are reported in µg/L, wipe samples in ug/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all TCLP / STLC / SPLP extracts 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; Nady Systems	Date Sampled: 11/25/02
1144 65th Street, Suite C		Date Received: 11/27/02
Oakland, CA 94608	Client Contact: Ian Young	Date Extracted: 12/12/02
	Client P.O.:	Date Analyzed: 12/13/02-12/14/02

Volatiles Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0211485

Lab ID	0211485-018A
Client ID	SB-4-11.5
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	50	Benzene	ND	1.0	5.0
Bromobenzene	ND	1.0	5.0	Bromochloromethane	ND	1.0	5.0
Bromodichloromethane	ND	1.0	5.0	Bromoform	ND	1.0	5.0
Bromomethane	ND	1.0	5.0	2-Butanone (MEK)	ND	1.0	10
n-Butyl benzene	ND	1.0	5.0	sec-Butyl benzene	9.5	1.0	5.0
tert-Butyl benzene	ND	1.0	5.0	Carbon Disulfide	ND	1.0	5.0
Carbon Tetrachloride	ND	1.0	5.0	Chlorobenzene	ND	1.0	5.0
Chloroethane	ND	1.0	5.0	2-Chloroethyl Vinyl Ether	ND	1.0	5.0
Chloroform	ND	1.0	5.0	Chloromethane	ND	1.0	5.0
2-Chlorotoluene	ND	1.0	5.0	4-Chlorotoluene	ND	1.0	5.0
Dibromochloromethane	ND	1.0	5.0	1,2-Dibromo-3-chloropropane	ND	1.0	5.0
1,2-Dibromoethane (EDB)	ND	1.0	5.0	Dibromomethane	ND	1.0	5.0
1,2-Dichlorobenzene	ND	1.0	5.0	1,3-Dichlorobenzene	ND	1.0	5.0
1,4-Dichlorobenzene	ND	1.0	5.0	Dichlorodifluoromethane	ND	1.0	5.0
1,1-Dichloroethane	ND	1.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND	1.0	5.0
1,1-Dichloroethene	ND	1.0	5.0	cis-1,2-Dichloroethene	ND	1.0	5.0
trans-1,2-Dichloroethene	ND	1.0	5.0	1,2-Dichloropropane	ND	1.0	5.0
1,3-Dichloropropane	ND	1.0	5.0	2,2-Dichloropropane	ND	1.0	5.0
1,1-Dichloropropene	ND	1.0	5.0	cis-1,3-Dichloropropene	ND	1.0	5.0
trans-1,3-Dichloropropene	ND	1.0	5.0	Ethylbenzene	7.4	1.0	5.0
Hexachlorobutadiene	ND	1.0	5.0	2-Hexanone	ND	1.0	5.0
Iodomethane (Methyl iodide)	ND	1.0	10	4-Isopropyl toluene	ND	1.0	5.0
Isopropylbenzene	7.8	1.0	5.0	4-Methyl-2-pentanone (MIBK)	ND	1.0	5.0
Methylene chloride	ND	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND	1.0	5.0
Naphthalene	59	1.0	5.0	n-Propyl benzene	33	1.0	5.0
Styrene	ND	1.0	5.0	1,1,1,2-Tetrachloroethane	ND	1.0	5.0
1,1,2,2-Tetrachloroethane	ND	1.0	5.0	Tetrachloroethene	ND	1.0	5.0
Toluene	ND	1.0	5.0	1,2,3-Trichlorobenzene	ND	1.0	5.0
1,2,4-Trichlorobenzene	ND	1.0	5.0	1,1,1-Trichloroethane	ND	1.0	5.0
1,1,2-Trichloroethane	ND	1.0	5.0	Trichloroethene	ND	1.0	5.0
Trichlorofluoromethane	ND	1.0	5.0	1,2,3-Trichloropropane	ND	1.0	5.0
1,2,4-Trimethylbenzene	160	1.0	5.0	1,3,5-Trimethylbenzene	79	1.0	5.0
Vinyl Acetate	ND	1.0	50	Vinyl Chloride	ND	1.0	5.0
Xylenes	11	1.0	5.0				

Surrogate Recoveries (%)

%SS1:	98.0	%SS2:	97.4
%SS3:	91.7		

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.

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.

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1144 65th Street, Suite C		Date Received: 11/27/02
Oakland, CA 94608	Client Contact: Ian Young	Date Extracted: 12/11/02
	Client P.O.:	Date Analyzed: 12/12/02

Lead by ICP*

Extraction method: SW3050B Analytical methods: 6010C Work Order: 0211485

Lab ID	Client ID	Matrix	Extraction	Lead	DF	% SS
0211485-018A	SB-4-11.5	S	TTLC	3.9	1	97.6
Reporting Limit for DF =1; ND means not detected at or above the reporting limit		W	TTLC	NA		mg/L
		S	TTLC	3.0		mg/Kg

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

ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

Analytical Methods: EPA 6010C/200.7 for all elements except: 200.9 (water- Sb, As, Pb, Se, Tl); 245.1 (Hg); 7010 (sludge/soil/solid/oil/product/wipes - As, Se, Tl); 7471B (Hg).

DISTLC extractions are performed using STLC methodology except that deionized water is substituted for citric acid buffer as the extraction fluid. DISTLC results are not applicable to STLC regulatory limits.

i) liquid sample that contains greater than ~2 vol. % sediment; this sediment is extracted with the liquid, in accordance with EPA methodologies and can significantly effect reported metal concentrations; j) reporting limit raised due to insufficient sample amount; z) reporting limit raised due to matrix interference.

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	Client P.O.:	Date Analyzed: 12/15/02

Gasoline(C6-C12) Stoddard Solvent(C9-C12) Range, Volatile Hydrocarbons as Gasoline & Stoddard Solvent*

Extraction method: SW5030B Analytical methods: SW8021B/8015Cm Work Order: 0211485

Lab ID	Client ID	Matrix	TPH(g)	TPH(ss)	DF	% SS
0211485-018A	SB-4-11.5	S	4.0,b,m	3.6	1	93.3

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	NA
	S	1.0	1.0	mg/Kg

*water and vapor samples are reported in µg/L, soil and sludge samples in mg/kg, wipe samples in µg/wipe, and TCLP extracts in µg/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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Oakland, CA 94608	Client Contact: Ian Young	Date Extracted: 12/12/02
	Client P.O.:	Date Analyzed: 12/12/02

Diesel (C10-23) and Oil (C18+) Range Extractable Hydrocarbons with Silica Gel Clean-Up*

Extraction method: SW3550C Analytical methods: SW8015C Work Order: 0211485

Lab ID	Client ID	Matrix	TPH(d)	TPH(mo)	DF	% SS
0211485-018A	SB-4-11.5	S	4.8,d,g	5.9	1	107
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 and vapor samples are reported in µg/L, wipe samples in ug/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all TCLP / STLC / SPLP extracts 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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Oakland, CA 94608	Client Contact: Ian Young	Date Extracted: 12/12/02
	Client P.O.:	Date Analyzed: 12/13/02-12/14/02

Volatiles Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0211485

Lab ID	0211485-018A
Client ID	SB-4-11.5
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	50	Benzene	ND	1.0	5.0
Bromobenzene	ND	1.0	5.0	Bromochloromethane	ND	1.0	5.0
Bromodichloromethane	ND	1.0	5.0	Bromoform	ND	1.0	5.0
Bromomethane	ND	1.0	5.0	2-Butanone (MEK)	ND	1.0	10
n-Butyl benzene	ND	1.0	5.0	sec-Butyl benzene	9.5	1.0	5.0
tert-Butyl benzene	ND	1.0	5.0	Carbon Disulfide	ND	1.0	5.0
Carbon Tetrachloride	ND	1.0	5.0	Chlorobenzene	ND	1.0	5.0
Chloroethane	ND	1.0	5.0	2-Chloroethyl Vinyl Ether	ND	1.0	5.0
Chloroform	ND	1.0	5.0	Chloromethane	ND	1.0	5.0
2-Chlorotoluene	ND	1.0	5.0	4-Chlorotoluene	ND	1.0	5.0
Dibromochloromethane	ND	1.0	5.0	1,2-Dibromo-3-chloropropane	ND	1.0	5.0
1,2-Dibromoethane (EDB)	ND	1.0	5.0	Dibromomethane	ND	1.0	5.0
1,2-Dichlorobenzene	ND	1.0	5.0	1,3-Dichlorobenzene	ND	1.0	5.0
1,4-Dichlorobenzene	ND	1.0	5.0	Dichlorodifluoromethane	ND	1.0	5.0
1,1-Dichloroethane	ND	1.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND	1.0	5.0
1,1-Dichloroethene	ND	1.0	5.0	cis-1,2-Dichloroethene	ND	1.0	5.0
trans-1,2-Dichloroethene	ND	1.0	5.0	1,2-Dichloropropane	ND	1.0	5.0
1,3-Dichloropropane	ND	1.0	5.0	2,2-Dichloropropane	ND	1.0	5.0
1,1-Dichloropropene	ND	1.0	5.0	cis-1,3-Dichloropropene	ND	1.0	5.0
trans-1,3-Dichloropropene	ND	1.0	5.0	Ethylbenzene	7.4	1.0	5.0
Hexachlorobutadiene	ND	1.0	5.0	2-Hexanone	ND	1.0	5.0
Iodomethane (Methyl iodide)	ND	1.0	10	4-Isopropyl toluene	ND	1.0	5.0
Isopropylbenzene	7.8	1.0	5.0	4-Methyl-2-pentanone (MIBK)	ND	1.0	5.0
Methylene chloride	ND	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND	1.0	5.0
Naphthalene	59	1.0	5.0	n-Propyl benzene	33	1.0	5.0
Styrene	ND	1.0	5.0	1,1,1,2-Tetrachloroethane	ND	1.0	5.0
1,1,2,2-Tetrachloroethane	ND	1.0	5.0	Tetrachloroethene	ND	1.0	5.0
Toluene	ND	1.0	5.0	1,2,3-Trichlorobenzene	ND	1.0	5.0
1,2,4-Trichlorobenzene	ND	1.0	5.0	1,1,1-Trichloroethane	ND	1.0	5.0
1,1,2-Trichloroethane	ND	1.0	5.0	Trichloroethene	ND	1.0	5.0
Trichlorofluoromethane	ND	1.0	5.0	1,2,3-Trichloropropane	ND	1.0	5.0
1,2,4-Trimethylbenzene	160	1.0	5.0	1,3,5-Trimethylbenzene	79	1.0	5.0
Vinyl Acetate	ND	1.0	50	Vinyl Chloride	ND	1.0	5.0
Xylenes	11	1.0	5.0				

Surrogate Recoveries (%)

%SS1:	98.0	%SS2:	97.4
%SS3:	91.7		

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.

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.

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Cambria Env. Technology	Client Project ID: #522-1000; Nady Systems	Date Sampled: 11/25/02
1144 65th Street, Suite C		Date Received: 11/27/02
Oakland, CA 94608	Client Contact: Ian Young	Date Extracted: 12/11/02
	Client P.O.:	Date Analyzed: 12/12/02

Lead by ICP*

Extraction method: SW3050B Analytical methods: 6010C Work Order: 0211485

Lab ID	Client ID	Matrix	Extraction	Lead	DF	% SS
0211485-018A	SB-4-11.5	S	TTLC	3.9	1	97.6

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TTLC	NA	mg/L
	S	TTLC	3.0	mg/Kg

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

ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

Analytical Methods: EPA 6010C/200.7 for all elements except: 200.9 (water- Sb, As, Pb, Se, Tl); 245.1 (Hg); 7010 (sludge/soil/solid/oil/product/wipes - As, Se, Tl); 7471B (Hg).

DISTLC extractions are performed using STLC methodology except that deionized water is substituted for citric acid buffer as the extraction fluid. DISTLC results are not applicable to STLC regulatory limits.

i) liquid sample that contains greater than ~2 vol. % sediment; this sediment is extracted with the liquid, in accordance with EPA methodologies and can significantly effect reported metal concentrations; j) reporting limit raised due to insufficient sample amount; z) reporting limit raised due to matrix interference.

DHS Certification No. 1644

Edward Hamilton, Lab Director

McCampbell Analytical Inc.
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QC SUMMARY REPORT FOR SW8021B/8015Cm

Matrix: S WorkOrder: 0211485

EPA Method: SW8021B/8015Cm Extraction: SW5030B BatchID: 5300 Spiked Sample ID: N/A

Compound	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(gas)	N/A	0.60	N/A	N/A	N/A	112	111	0.841	80	120
MTBE	N/A	0.10	N/A	N/A	N/A	92	94.4	2.51	80	120
Benzene	N/A	0.10	N/A	N/A	N/A	103	103	0.630	80	120
Toluene	N/A	0.10	N/A	N/A	N/A	107	107	0.0777	80	120
Ethylbenzene	N/A	0.10	N/A	N/A	N/A	105	105	0.506	80	120
Xylenes	N/A	0.30	N/A	N/A	N/A	110	110	0	80	120
%SS:	N/A	100	N/A	N/A	N/A	89.3	92.3	3.33	80	120

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.

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.

% 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.

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QC SUMMARY REPORT FOR SW8015C

Matrix: S WorkOrder: 0211485

EPA Method: SW8015C	Extraction: SW3550C	BatchID: 5294	Spiked Sample ID: 0212236-012A

Compound	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	87.4	87.2	0.249	91.1	91.2	0.188	70	130
%SS:	112	100	85.5	85.5	0.00374	100	100	0.0199	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.

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.

% 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.

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QC SUMMARY REPORT FOR SW8260B

Matrix: S WorkOrder: 0211485

EPA Method: SW8260B	Extraction: SW5030B			BatchID: 5286		Spiked Sample ID: N/A				
Compound	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/Kg	µg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
Benzene	N/A	50	N/A	N/A	N/A	99.4	91.7	8.07	70	130
Chlorobenzene	N/A	50	N/A	N/A	N/A	104	89.9	14.6	70	130
1,1-Dichloroethene	N/A	50	N/A	N/A	N/A	77.9	83.5	6.90	70	130
Methyl-t-butyl ether (MTBE)	N/A	50	N/A	N/A	N/A	96.3	87.3	9.82	70	130
Toluene	N/A	50	N/A	N/A	N/A	116	102	12.8	70	130
Trichloroethene	N/A	50	N/A	N/A	N/A	81.5	74.8	8.51	70	130
%SS1:	N/A	100	N/A	N/A	N/A	87.5	87.8	0.370	70	130
%SS2:	N/A	100	N/A	N/A	N/A	106	107	0.832	70	130
%SS3:	N/A	100	N/A	N/A	N/A	110	113	2.47	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

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

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.

% 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.

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QC SUMMARY REPORT FOR 6010C

Matrix: S WorkOrder: 0211485

EPA Method: 6010C	Extraction: SW3050B		BatchID: 5256			Spiked Sample ID: 0212194-003A				
Compound	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
Lead	31.04	500	88.8	92.2	3.51	109	102	6.10	70	130
%SS:	92.7	100	92.5	93.4	0.972	93.5	93.5	0.0208	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.

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.

% 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.

RUSH

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CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ RUSH ☐ 24 HOUR ☐ 48 HOUR ☑ 5 DAY

Report To: Ian Young Bill To:
Company: Cambria Environmental Technology
1144 65[th] Street, Suite C
Oakland, CA 94608
Tele: (510) 420-0700 Fax: (510) 420-9170
Project #: 522-1000 Project Name: Nady Systems
Project Location: 1145 65th St.
Sampler Signature: [signature]

SAMPLE ID	LOCATION	Date	Time	# Containers	Type Containers	Water	Soil	Air	Sludge	Other	Ice	HCl	HNO_3	Other	BTEX & TPH as Gas (602/8020 + 8015)/ MTBE	TPH as Diesel (8015) + MO w/ silica gel	Total Petroleum Oil & Grease (5520 E&F/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 601 / 8010	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: GAS, SS, Napthalene by 8260	Comments: Hold pending confirmation of analytes
SB-4-3.5		11/25/02	10:40a	1	Acetate		X				X					X							X					X		X	
SB-4-7.5		↓	10:45a	↓	↓		↓				↓					X							X					X		X	
SB-4-11.5			10:50a													X							X					X		X	
SB-5-3.5			12:40p																												
SB-5-7.5			12:45p													X							X					X		X	
SB-5-11.5			12:50p													X							X					X		X	
SB-6-3.5			12:00p																												
SB-6-7.5			12:05p																												
SB-6-11.5			12:15p																												
SB-7-3.5			11:15a													X							X					X		X	
SB-7-7.5			11:20a													X							X					X		X	
SB-7-11.5			11:20a																												
SB-7-15.5			11:25a													X							X					X		X	✓
SB-7-17.5		↓	11:30a	↓	↓		↓				↓																				

Relinquished By:	Date:	Time:	Received By:
[signature]	11/25/02		Secure Location
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By: [signature] 11/27/02

Remarks: Added on 12/12 per Ian on 72hr TAT!

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