Soil and Groundwater Sampling Investigation

At
1160-1168 36th Street and
3601 and 3623 Adeline Street
Emeryville, California

For
RESOURCES FOR COMMUNITY DEVELOPMENT

Clayton Project No. 70-03661.01

May 28, 2003

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CONTENTS

1. INTRODUCTION

Ms. Lisa Motoyama of Resources for Community Development (RCD) retained Clayton Group Services, Inc. to perform a soil and groundwater sampling investigation at 1160-1168 36th Street and 3610 and 3623 Adeline Street in Emeryville, Alameda County, California (Figure 1). The subsurface investigation consisted of collecting soil and groundwater samples from 10 soil borings to evaluate the soil and groundwater quality at the subject property for impacts from past businesses that operated at the property. This investigation was conducted as part of a due diligence investigation prior to acquisition of the property.

2. BACKGROUND

The subject property has a lengthy industrial/commercial history. The earliest known industrial use was as a laundry facility beginning in about 1910. Maintenance and repair of delivery trucks reportedly occurred onsite and the business expanded and continued through the mid-1980s. The property use changed to mixed residential and commercial multi-tenant use in the 1980s that included such businesses as spa assembly, a sign company, art studios, a metal fabricator, and a bronze art foundry.

Two underground storage tanks (USTs) were formerly located on the property (8,000-gallon gasoline and 2,500-gallon heating oil tanks). The gasoline UST was removed in 1994 and soil samples from below the tank and excavated soil samples indicated that there was no significant leak and the tank was closed by the Alameda County Health Care Services Agency (ACHCSA).

A heating oil UST removed in 1995 reportedly leaked and diesel ranged compounds were found in soil and groundwater. The subject property, 3623 Adeline Street, became a leaking underground storage tank (LUST) case with oversight by the ACHCSA. A limited over excavation was conducted (54 cubic yards), but petroleum hydrocarbon contamination remained in the subsurface soil (up to 21,000 milligrams per kilogram [mg/Kg]) above regulatory Risk-Based Screening Levels (RBSLs). A groundwater monitoring well was installed near this UST and groundwater contained diesel ranged compounds up to 15,000 micrograms per liter (ug/L), benzene at 28 ug/L, gasoline-range compounds at 1,000 ug/L, and oil-range compounds at 600 ug/L. Case closure was subsequently granted by the ACHCSA and the well was closed.

A sump located on the 3623 Adeline property contained oily waste material with diesel-ranged compounds at 6,100 mg/Kg, oil-range compounds at 9,900 mg/Kg, lead at 240 mg/Kg, and copper in sludge at 2,700 mg/Kg. Groundwater in the vicinity of the sump contained a chlorinated compound (trichloroethene [TCE]) at 0.85 ug/L. The source of the chlorinated compound was not identified. Also, a 4-foot thick black layer of soil with a hydrocarbon odor was noted during drilling and sampling by another consultant that may indicate the importation of fill material of an unknown source. The use of the property as a laundry and automotive repair facility since the early 1910s, and other historic uses which reportedly used regulated substances, and possibly solvents, were not

adequately evaluated to determine if additional remedial measures would be required or special handling practices would be required if the subject property were redeveloped. Based on these concerns, Clayton proposed that additional sampling be conducted.

3. SCOPE OF WORK

Clayton's proposal (No. 03SFOES109, approved by RCD on April 28, 2003) recommended 10 soil borings at various locations on the subject property to collect soil and groundwater samples. The scope of work for this site sampling consisted of pre-field activities, sampling activities, laboratory analysis, and project management and report preparation. A description of the work performed to complete these tasks is described in the following discussion.

3.1. PRE-FIELD ACTIVITIES

The purpose of the pre-field activities was to appropriately plan the work and prepare for potential safety hazards at the property. The pre-field activities included the following:

- Preparing a drilling permit application and obtaining approval to drill from the Alameda County Public Works Agency (ACPWA). A copy of the drilling permit is presented as Appendix A.
- Preparation of a Site Safety and Health Plan (SSHP) to reflect the work performed at the subject property. The SSHP detailed the work to be performed, safety precautions, emergency response procedures, nearest hospital information, and onsite personnel responsible for managing emergency situations. The SSHP was reviewed with field personnel and kept onsite during field activities.
- Demarcation of the borehole locations with white paint and notification of Underground Service Alert (USA) 48 hours prior to performing field activities drilling, as required by law. USA issued Ticket Message Number: 0148404.
- Utilization of a private utility locating service prior to conducting the field activities to clear the selected drilling locations of underground utilities.

3.2. SAMPLING ACTIVITIES

Clayton's sample program included advancing 10 boreholes (B-1 through B-10) on the subject property. The selected sample locations are shown on the attached Figure 2. Previous site investigations reported the depth to groundwater at the former onsite monitoring well, EW-1, at about 10 feet below the ground surface (bgs). Therefore, Clayton advanced the soil borings to a maximum depth of 20 feet bgs to obtain grab-groundwater samples. The soil borings were continuously cored to log the subsurface soils and collect soil samples from the unsaturated zone in each borehole.

Sample locations were selected to characterize the whole property and address the historic mixed uses of the property. Borings B-1 and B-2 were located along the west property boundary adjacent to a sewer pipeline trench as down gradient sample points and to assess if the sewer system was used to dispose of regulated substances. Boring

B-3 was placed in the northeast portion of the main building to assess a former mechanical room that may have contained an oil tank and a well. Borings B-4 and B-5 where place in the eastern and southern areas of the main building cross gradient and down gradient of the former heating oil UST. Boring B-6 was placed in the center of the former heating oil UST excavation and B-7 was placed near the south property boundary, down gradient of the heating oil UST. Boring B-8 was placed near the south property boundary at the 1160 residence, which is down gradient of the former gasoline UST at 3623 Adeline. Boring B-9 was placed adjacent to the former gasoline dispenser and UST in the southeast corner of the 3623 Adeline lot. Boring B-10 was placed at the rear of the 3601 residence in an area where vehicles may have been parked and serviced and as a control sample point.

3.2.1. Soil Sampling

Clayton conducted sampling activities on May 1 and 2, 2003. Borings were advanced using direct-push, Geoprobe® drilling equipment. Truck mounted Geoprobe equipment was used to advance 7 of the 10 boreholes; however, due to limited access inside the main building, 3 of the 10 boreholes (boreholes B-1 through B-3) were advanced using portable Geoprobe equipment that was driven by portable pneumatic hammers. Soil cores were collected in a core barrel lined with a plastic sleeve. Relatively undisturbed soil cores were removed and screened for physical evidence of contamination (*e.g.*, odors, discoloration, and or chemical sheen). Soil samples retained for analyses were determined based on site hydrology, soil type, physical observations, or elevated organic vapor analyzer (OVA/PID) readings. Selected soil samples were cut from the plastic soil liners, sealed with Teflon tape, capped, labeled, and placed in a pre-chilled ice chest. Select soil samples were transported to a State of California-certified laboratory for analysis under formal chain-of-custody documentation.

Soils were logged for each borehole using the United Soil Classification System as a guideline. The soil type, color, and notable characteristics were entered onto exploratory boring sheets for each borehole and are presented as Appendix B. Most borings were advanced through the concrete floor slab that existed in the building and garage areas. Boring B-9 was advanced through the asphalt pavement in the yard area, and B-8 and B-10 were advanced directly into soil in the backyard at 3601 Adeline. Soils encountered consisted of clay, silty clay and clayey silt, sandy clay, clay with gravel, gravelly clay, sandy silt, sand, and gravelly-silty sand (fill). A black clay was first encountered to depths of from 3.6 to 5.7 feet bgs in all boreholes, except for B-6, which encountered a gravelly silty sand fill material in the former heating oil UST pit. The black clay typically did not have any petroleum hydrocarbon odor, except in borehole B-9, which was near the former gasoline UST and dispenser. A soil sample was collected from the black clay zone in all boreholes except B-6 and B-5, as samples were not adequately recovered in the sample sleeves.

Deeper soils consisted of lighter colored soil, typically yellow-orange to orange brown and olive gray. The soils typically had high clay and silt contents with some thin beds of sands. Unsaturated soil samples were also recovered in all boreholes at 7.5 to 8 feet.

One sample, B-5 9-9.5', was collected and submitted for analysis due to the loss of the 4-foot sample in this boring.

3.2.2. Groundwater Sampling

The boreholes were advanced into the saturated zone to depths of between 15 and 20 feet bgs, and a temporary one-inch outer diameter PVC casing, temporary well point, was installed into the open borehole to allow for the collection of a grab-groundwater sample. The lower five feet of the casing was slotted screen casing. The grab groundwater samples were collected using new disposable bailers. The samples were transferred into appropriate laboratory supplied containers. The sample containers were capped/sealed, labeled with identifying information and placed in a pre-chilled ice chest for transportation to the analytical laboratory for analysis under formal chain-of-custody documentation.

Groundwater was encountered and sampled in 8 of the 10 boreholes. Boreholes B-1 and B-2 were advanced in tight clays and no groundwater was yielded during the sampling event; therefore, Clayton collected soil samples at 13.5 feet and 14.5 feet, respectively, and submitted them for analysis in place of a groundwater sample. The depth to groundwater in the boreholes ranged from 8.4 to 16.6 feet bgs. Borehole B-10 yielded water very slowly. The borehole was allowed to stay open overnight and was sampled on May 2, 2003. The hole dried after filling three 40-milliliter sample containers, and would not yield sufficient water to collect a sample for total petroleum hydrocarbons analysis. Petroleum odors were noted in the field on water samples collected from boreholes B-4 through B-9.

Downhole equipment was cleaned prior to advancing each boring and prior to collecting samples. Decontamination water and soil cuttings were containerized and labeled pending analytical results for determination of proper disposal methods. Once sampling was complete, borings were backfilled to the ground surface with Portland-cement grout as required by the ACPWA guidelines.

3.3. LABORATORY ANALYSES

Clayton submitted 21 soil and 8 grab-groundwater samples for the following United States Environmental Protection Agency (USEPA) approved analytical methods as follows:

- USEPA Method 8260 for Volatile Organic Compounds (VOCs) including Benzene, Toluene, Ethylbenzene, Xylenes (BTEX), and oxygenates,
- USEPA Method 8015 Modified for Total Petroleum Hydrocarbons as gasoline, diesel and motor oil (TPH-G, TPH-D and TPH-O), as a multi-scan, and
- Title 22 - California Assessment Manual metals (CAM 17) by Solid Waste Series 6000 and 7000 analyses (Metals)-SOIL ONLY.

The samples were analyzed by McCampbell Analytical, Inc. of Pacheco, California, a California certified laboratory.

4. ANALYTICAL RESULTS

A summary of soil analytical results is presented in Table 1. The laboratory analytical data sheets and chain-of-custody forms are included in Appendix C. The findings indicate that there are no detectable TPH or VOCs in the unsaturated soil samples that were analyzed, except for samples B-4 7.5-8' and B-6 7-7.5. Borehole B-4 was located approximately 25 feet from the former heating oil UST and B-6 was located in the center of the former UST pit. These samples are believed to be at or in the groundwater fringe zone as the depth to groundwater in this area was found to range between 8 and 9 feet bgs. Therefore, these findings are likely a result of the residual TPH concentrations that were found in groundwater samples collected from these same boreholes and do not represent residual source materials in soil.

Clayton submitted 19 soil samples for Title 22 metals analysis. Seventeen total metals were analyzed and only 11 of the 17 metals (arsenic, barium, beryllium, chromium, cobalt, copper, lead, mercury, nickel, vanadium, and zinc) were detected in the samples analyzed. All metals results are within normal background concentrations and below state regulated hazardous waste concentrations. The metal concentrations where compared against the USEPA Region IX Preliminary Remedial Goals and only one metal concentration, mercury in sample B-6 7-7.5 at 0.016 mg/Kg, was found to exceed the listed PRG for residential soil. As stated this concentration is within normal background concentrations and may possibly be a characteristic of the imported fill material that was placed in the former UST pit. No point source for this metal has been identified that would require further investigation.

A summary of groundwater analytical results is presented in Table 2. The laboratory analytical data sheets and chain-of-custody forms are also included in Appendix C. The analytical data indicates that residual TPH exists in the groundwater in 7 of the 8 boreholes where groundwater samples were obtained. Only sample B-3W had no TPH or VOCs detected in the groundwater sample. Boreholes B-1 and B-2 were dry; therefore, a deep soil sample was collected below the assumed groundwater table of approximately 8 to 10 feet bgs. These deep soil samples (B-1 13.5-14' and B-2 14.5-15') were also found to contain no reportable TPH or VOC concentrations. TPH-G was detected in three samples, B-4W, B-7W, and B-9W, with B-7W having the greatest concentration at 2,200 micrograms per liter (ug/L). TPH-D was found in B-4W, B-5W, B-6W, B-7W, and B-9W, with B-6W having the greatest concentration at 4,700 ug/L. TPH-MO was detected in B-4W, B-6W, and B-7W, with B-6W having the greatest concentration at 4,500 ug/L. Benzene was only detected in one water sample, B-4W at 0.55 ug/L. MTBE was detected in five samples, B-4W, B-5W, B-8W, B-9W, and B-10W (1.9, 3.3, 0.53, 8.6, and 0.50 ug/L, respectively). Other VOCs were also detected that are typical fuel compounds. One sample, B-5W, contained a low detection of trichloroethene (TCE) at 0.93 ug/L.

The maximum TPH ranged compounds in groundwater for gasoline (2,200 ug/L), diesel (4,700 ug/L), and motor oil (4,500 ug/L) are all below the 5,000 ug/L TPH levels established for groundwater that is not a current or potential source of drinking water (Source: Table I-2 in the *Risk-Based Screening Levels and Decision Making to Sites with Impacted Soil and Groundwater* (RBSLs) prepared by the RWQCB in the Interim Final – December 2001 document). The other compounds of possible concern, benzene, MTBE and TCE, were also found to be well below RBSL levels for non-drinking water source areas (see Table 2).

5. CONCLUSIONS

Clayton's soil and groundwater sampling has found no significant source materials in the unsaturated soil zone at the subject property that can be related to the prior industrial and commercial uses of the subject property. Groundwater was found to be impacted with residual TPH and related VOCs along with the finding of TCE at a low concentration in one sample. The residual TPH impacts appear to be residual fuels from the two former onsite USTs that received agency closure. The TPH and VOC findings are all below RBSLs, therefore, they do not present a significant concern to future redevelopment of the subject property. However, there is a potential that local hot spots of regulated substances may be discovered during demolition and excavation of the subject property. If such hot spots are discovered, additional environmental evaluation may be required and appropriate worker protections and appropriate material handling and disposal methods may need to be implemented. Standard waste characterization analyses in accordance with landfill requirements may be necessary for any excess soil generated during construction, which requires off-site disposal.

6. LIMITATIONS

The information and opinions included in this report were given in response to a specific scope of work and should be considered and implemented only in light of that particular scope of work. The services provided by Clayton in completing this project have been provided in a manner consistent with the normal standards of the profession. No other warranty, expressed or implied, is made.

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May 28, 2003

TABLES

Table 1
Summary of Soil Analytical Results
36th and Adeline Property, Emeryville, CA

Analytical Method	Analyte	Units	Sample ID, Depth (Feet), & Date										
			B-1 3.5-4' 5/2/03	B-1 7.5-8' 5/2/03	B-1 13.5-14' 5/2/03	B-2 3-3.5' 5/2/03	B-2 7.5-8' 5/2/03	B-2 14.5-15' 5/2/03	B-3 3.5-4' 5/2/03	B-3 7.5-8' 5/2/03	B-4 3.5-4' 5/1/03	B-4 7.5-8' 5/1/03	B-5 7.5-8' 5/1/03
Total Petroleum	TPH-G	mg/Kg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**3.2**	<1.0
Hydrocarbons	TPH-D	mg/Kg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**140**	<1.0
(EPA 8015M)	TPH-MO	mg/Kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**210**	<5.0
Volatile Organic	Benzene	ug/Kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Compounds	Toluene	ug/Kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
(EPA 8260B)	Ethylbenzene	ug/Kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	Xylenes	ug/Kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	DIPE	ug/Kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	MTBE	ug/Kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Title 22 Metals (TTLC)	Antimony	mg/Kg	<2.5	<2.5	--	<2.5	<2.5	--	<2.5	<2.5	<2.5	<2.5	<2.5
	Arsenic	mg/Kg	**4.4**	<2.5	--	**2.6**	2.9	--	**2.7**	<2.5	**2.9**	<2.5	<2.5
	Barium	mg/Kg	**85**	**110**	--	**160**	**100**	--	**43**	**100**	**150**	**110**	**150**
	Beryllium	mg/Kg	<0.5	<0.5	--	<0.5	<0.5	--	<0.5	<0.5	**0.62**	<0.5	<0.5
	Cadmium	mg/Kg	<0.5	<0.5	--	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5
	Chromium	mg/Kg	**18**	**27**	--	**24**	**28**	--	**14**	**28**	**27**	**33**	**46**
	Cobalt	mg/Kg	**3.4**	**4.5**	--	**8.6**	**10**	--	**4.8**	**11**	**6.6**	**9.1**	**9.7**
	Copper	mg/Kg	**6.2**	**9.0**	--	**15**	**15**	--	**6.1**	**13**	**13**	**15**	**13**
	Lead	mg/Kg	**4.5**	**5.2**	--	**5.6**	**6.0**	--	**5.3**	**6.0**	**6.5**	**6.1**	**5.6**
	Mercury	mg/Kg	<0.06	<0.06	--	<0.06	<0.06	--	<0.06	<0.06	<0.06	<0.06	<0.06
	Molybdenum	mg/Kg	<2.0	<2.0	--	<2.0	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0
	Nickel	mg/Kg	**12**	**39**	--	**37**	**42**	--	**15**	**29**	**28**	**35**	**44**
	Selenium	mg/Kg	<2.5	<2.5	--	<2.5	<2.5	--	<2.5	<2.5	<2.5	<2.5	<2.5
	Silver	mg/Kg	<1.0	<1.0	--	<1.0	<1.0	--	<1.0	<1.0	<1.0	<1.0	<1.0
	Thallium	mg/Kg	<2.5	<2.5	--	<2.5	<2.5	--	<2.5	<2.5	<2.5	<2.5	<2.5
	Vanadium	mg/Kg	**24**	**17**	--	**29**	**30**	--	**14**	**27**	**31**	**29**	**27**
	Zinc	mg/Kg	**15**	**34**	--	**26**	**39**	--	**15**	**36**	**29**	**44**	**41**

Notes:
mg/kg = milligrams per kilogram
ug/kg = micrograms per kilogram
<x = Analyte not detected at or above detection limit of x.
-- = Not analyzed
PRGs = USEPA Region IX Preliminary Remedial Goals for Residential Soil (California Modified where indicated)
NE = Not established

Table 1
Summary of Soil Analytical Results
36th and Adeline Property, Emeryville, CA

Analytical Method	Analyte	Units	Sample ID, Depth (Feet), & Date										PRGs
			B-5 9-9.5' 5/1/03	B-6 7-7.5' 5/1/03	B-7 3.5-4' 5/1/03	B-7 7.5-8' 5/1/03	B-8 3.5-4' 5/1/03	B-8 7.5-8' 5/1/03	B-9 5-5.5' 5/1/03	B-9 7.5-8' 5/1/03	B-10 3.5-4' 5/1/03	B-10 7.5-8' 5/1/03	Res. Soil
Total Petroleum	TPH-G	mg/Kg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NE
Hydrocarbons	TPH-D	mg/Kg	<1.0	**2.5**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NE
(EPA 8015M)	TPH-MO	mg/Kg	<5.0	**8.3**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NE
Volatile Organic	Benzene	ug/Kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	650
Compounds	Toluene	ug/Kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	520
(EPA 8260B)	Ethylbenzene	ug/Kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	230,000
	Xylenes	ug/Kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	210
	DIPE	ug/Kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NE
	MTBE	ug/Kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	17,000
Title 22 Metals (TTLC)	Antimony	mg/Kg	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	31
	Arsenic	mg/Kg	**3.0**	**4.1**	**2.6**	<2.5	**3.5**	**4.0**	**2.9**	**3.0**	**4.8**	**4.5**	22 Ca Mod
	Barium	mg/Kg	**98**	**120**	**110**	**60**	**110**	**130**	**39**	**140**	**160**	**110**	5,400
	Beryllium	mg/Kg	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	150
	Cadmium	mg/Kg	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	9.0 Ca Mod
	Chromium	mg/Kg	**29**	**25**	**27**	**21**	**21**	**27**	**22**	**29**	**25**	**32**	100000 CrIII
	Cobalt	mg/Kg	**15**	**7.2**	**4.7**	**6.8**	**4.9**	**11**	**6.7**	**7.1**	**26**	**12**	4,700
	Copper	mg/Kg	**16**	**100**	**14**	**10**	**11**	**16**	**8.6**	**15**	**11**	**16**	2,900
	Lead	mg/Kg	**11**	<3.0	**5.4**	**4.7**	<3.0	**6.7**	**5.4**	**6.3**	**9.1**	**7.8**	400
	Mercury	mg/Kg	<0.06	**0.16**	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	0
	Molybdenum	mg/Kg	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	390
	Nickel	mg/Kg	**57**	**22**	**25**	**24**	**24**	**36**	**24**	**39**	**25**	**39**	150 Ca Mod
	Selenium	mg/Kg	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	390
	Silver	mg/Kg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	390
	Thallium	mg/Kg	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	5.2
	Vanadium	mg/Kg	**37**	**48**	**27**	**17**	**25**	**28**	**23**	**28**	**38**	**33**	550
	Zinc	mg/Kg	**39**	**56**	**29**	**32**	**21**	**42**	**24**	**41**	**27**	**47**	23,000

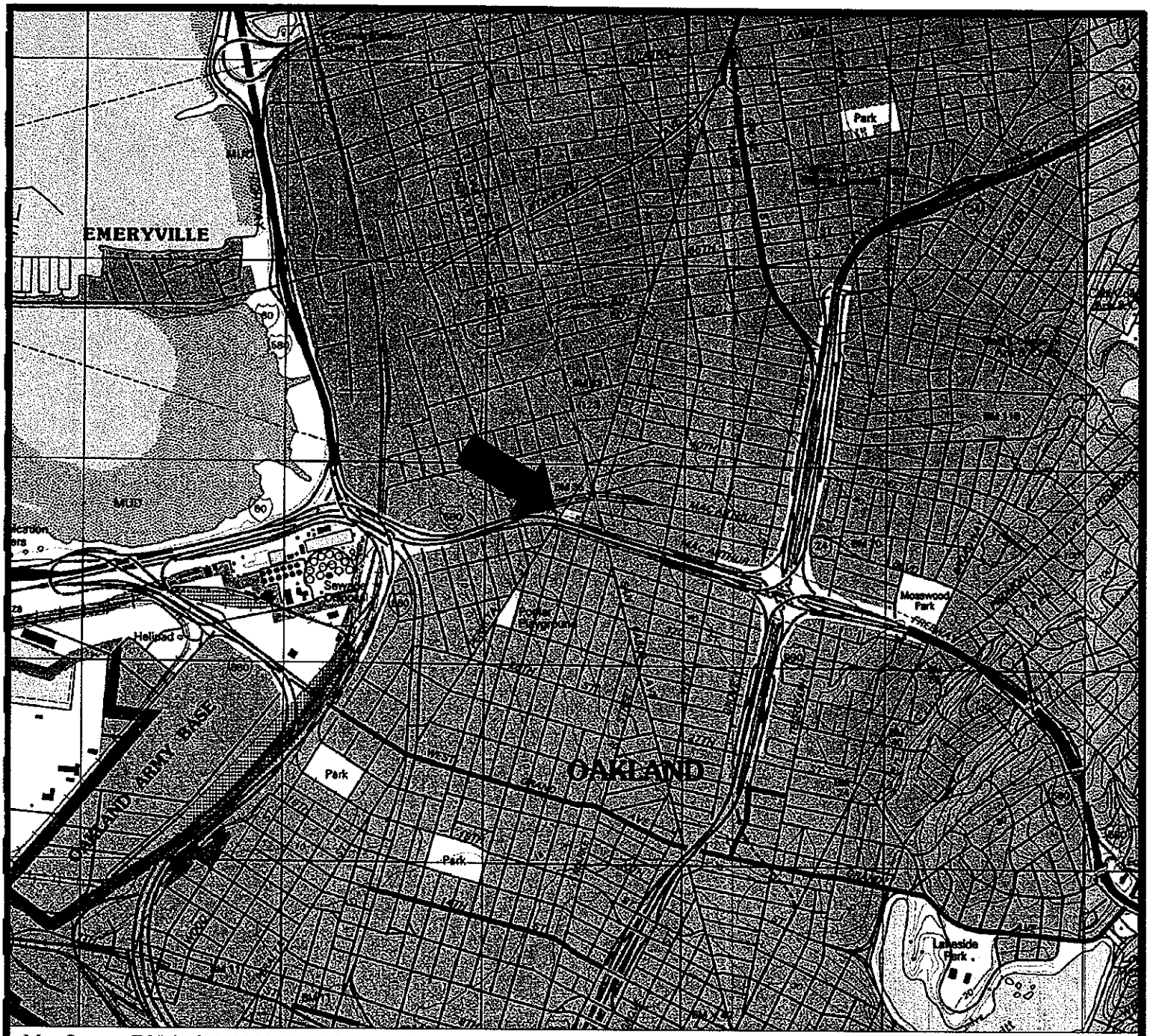
Notes:
mg/kg = milligrams per kilogram
ug/kg = micrograms per kilogram
<x = Analyte not detected at or above detection limit
-- = Not analyzed
PRGs = USEPA Region IX Preliminary Remedial G
NE = Not established

Table 2
Summary of Groundwater Analytical Results
36th Street and Adeline Street, Emeryville, CA

			Sample ID & Date								
Category	Chemical	Units	B-3W 5/2/03	B-4W 5/1/03	B-5W 5/1/03	B-6W 5/1/03	B-7W 5/1/03	B-8W 5/1/03	B-9W 5/1/03	B-10W 5/1/03	RBSLs Table I-2
Total Petroleum Hydrocarbons	TPH-G	ug/L	<50	**130**	<50	<50	**2,200**	<50	**380**	--	5,000
(EPA 8015M)	TPH-D	ug/L	<1.0	**610**	**140**	**4,700**	**3,400***	<1.0	**320***	--	5,000
	TPH-MO	ug/L	<5.0	**590**	<5.0	**4,500**	**370**	<5.0	<5.0	--	5,000
Volatile Organic Compounds	Benzene	ug/L	<0.5	**0.55**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	20,000
(EPA 8260B)	Toluene	ug/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	400
	Ethylbenzene	ug/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	300
	Xylenes	ug/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	5,300
	DIPE	ug/L	<0.5	**8.7**	**1.4**	<0.5	<0.5	<0.5	**1.7**	<0.5	NE
	MTBE	ug/L	<0.5	**1.9**	**3.3**	<0.5	<0.5	**0.53**	**8.6**	**0.50**	1,800
	n-Butyl benzene	ug/L	<0.5	<0.5	<0.5	<0.5	**20**	<0.5	**0.76**	<0.5	NE
	tert-Butyl benzene	ug/L	<0.5	<0.5	<0.5	<0.5	**14**	<0.5	<0.5	<0.5	NE
	cis-1,2-Dichloroethene	ug/L	<0.5	<0.5	**0.82**	<0.5	<0.5	<0.5	<0.5	<0.5	50,000
	sec-Butyl benzene	ug/L	<0.5	<0.5	<0.5	<0.5	**14**	<0.5	**0.56**	<0.5	NE
	Isopropylbenzene	ug/L	<0.5	<0.5	<0.5	<0.5	**13**	<0.5	<0.5	<0.5	NE
	n-Propyl benzene	ug/L	<0.5	<0.5	<0.5	<0.5	**18**	<0.5	<0.5	<0.5	NE
	Trichloroethene	ug/L	<0.5	<0.5	**0.93**	<0.5	<0.5	<0.5	<0.5	<0.5	50,000

Notes:
ug/L = micrograms per liter
<x = Analyte not detected at or above detection limit of x.
* = TPH results in range of Stoddard Solvent
-- = Not analyzed
RBSLs = Risk-Based Screening Levels, Table I-2 for groundwater not a current or potential source of drinking water
NE = Not established

FIGURES



Map Source: TOPO!© 2000 National Geographic Holdings

Note: Boundaries and Location Information is Approximate

1 1/2 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

Portion of the 7.5-Minute Series Oakland West, California
Quadrangle Topographic Map (Datum: NAD 27)
United States Department of the Interior
Geological Survey
1993

N

CALIF

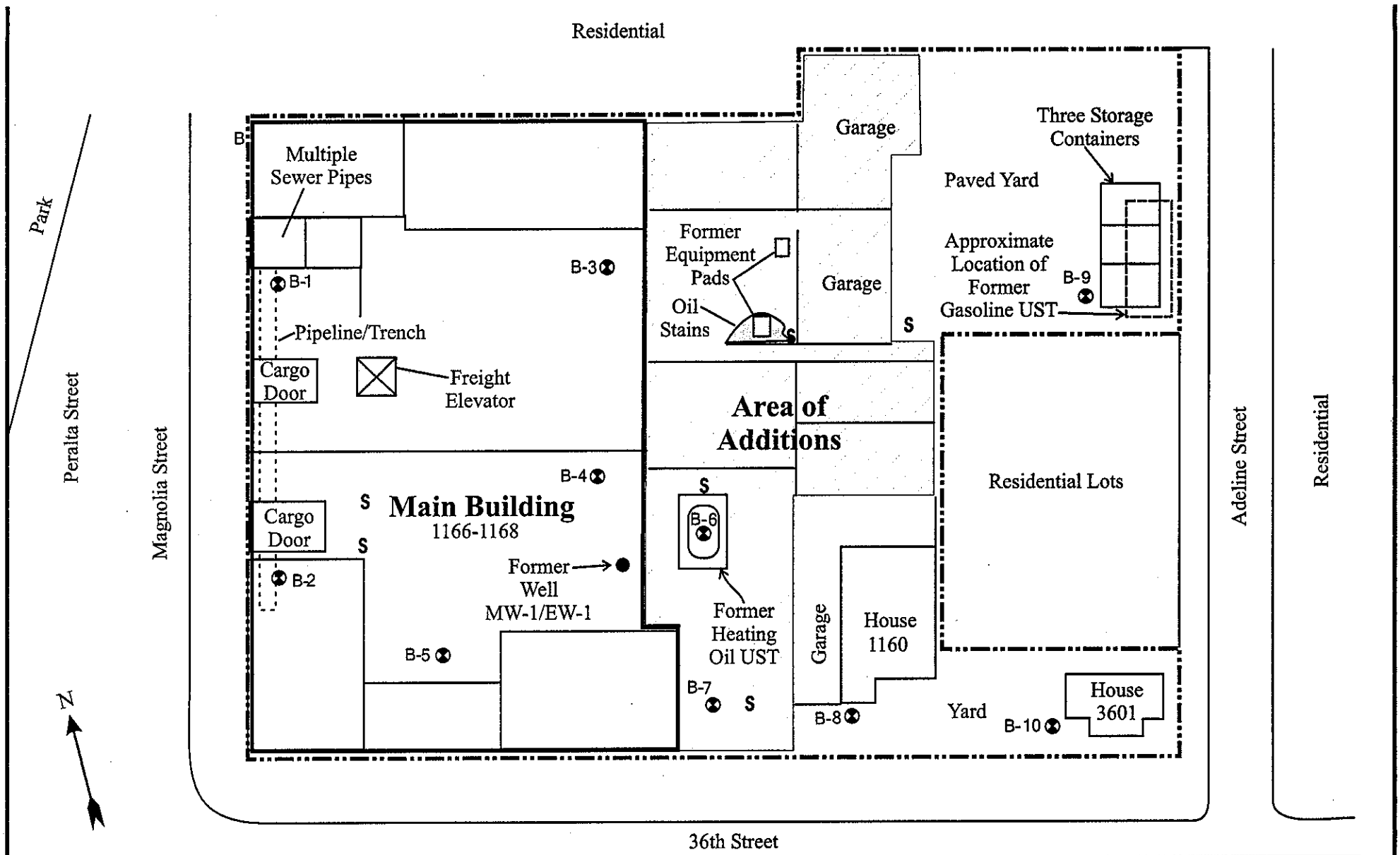
QUADRANGLE LOCATION

PROPERTY LOCATION MAP
1160-1168 36th Avenue
3601 and 3623 Adeline Street
Emeryville, California

Clayton Project No. 70-03661.01

Figure 1

Clayton GROUP SERVICES



LEGEND	SAMPLE LOCATION MAP	FIGURE
Approximate Subject Property Boundary S Sump/Drain Soil Boring Location	Soil & Groundwater Sampling 1160-1168 36th Avenue 3601 and 3623 Adeline Street Emeryville, California Clayton Project No. 70-03661.01	2

Clayton GROUP SERVICES

APPENDIX A

DRILLING PERMIT

ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION
399 ELMHURST ST. HAYWARD CA. 94544-1395
PHONE (510) 670-6633 James Yoo
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
1160 & 1168 36th Street
Also 1 @ 3623 Adeline Street
Emeryville CA 94608

CLIENT
Name Nochem & Yost
Address 2332 Fifth St. Suite Phone (510) 527-8400
City Berkeley CA Zip 94710

APPLICANT
Name Clayton Group Services
Fax 925-426-0106
Address 6920 Koll Center Pkwy #216 Phone 925-426-2620
City Pleasanton CA Zip 94566

TYPE OF PROJECT

Well Construction		Geotechnical Investigation	
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	☒ Geoprobe		

DRILLER'S NAME Environmental Control Associates
DRILLER'S LICENSE NO. 695970

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 13 Maximum
Hole Diameter 2 in. Depth 15 ft.

STARTING DATE 5-1-03
COMPLETION DATE 5-2-03

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

APPLICANT'S SIGNATURE Warren B. Chamberlain DATE 4-28-03

PLEASE PRINT NAME Warren B. Chamberlain Rev.5-13-00

FOR OFFICE USE

PERMIT NUMBER W03-0345
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 / Contamination
Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compatible 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 GP#1 Attached -

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 4-29-03

APPENDIX B

LOG OF EXPLORATORY BORING SHEETS

Clayton GROUP SERVICES

LOG OF EXPLORATORY BORING

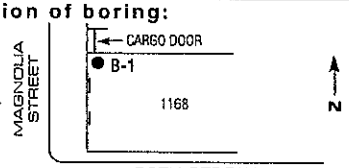
PROJECT NO.: 70-03661.01 DATE: 5/2/03
CLIENT: RCD
LOCATION: 36TH AND ADELINE STREET, EMERYVILLE, CA
LOGGED BY: D. ASHTON DRILLER: ECA

BORING NO. B-1 Sheet 1 of 1

Drilling Method: PORTABLE GEOPROBE/AIR HAMMER Hole Dia.: 2 IN.

Casing Installation Data:
TEMPORARY 1 IN. WELL POINT WITH 5 FT. SCREEN. WELL POINT REMOVED - BOREHOLE SEALED WITH PORTLAND CEMENT GROUT

Field location of boring:



Ground Elev.: Datum:

					Depth To ▽	DRY	Depth To ▼			
					Time		Time			
					Date		Date			

PID (ppm)	Depth	Sample Interval	Soil Group Symbol (USCS)	Litho-graphic Symbol	DESCRIPTION
			CT		2" CONCRETE
	1				CLAY, BLACK, TRACE GRAVEL, MOIST, NO HYDROCARBON (HC) ODOR, POSSIBLE SEWER ODOR
	2				
	3		CL		
0.4		B			
	4	X			
	5				
	6				SILTY CLAY - CLAY WITH GRAVEL, LIGHT BROWN, LOW PLASTICITY, NO HC ODOR, MOIST
	7				
0.4		B			
	8	X			
		▽			
	9				SILTY CLAY - CLAY, TRACE SAND AND GRAVEL, LIGHT BROWN TO OLIVE - BROWN, MOIST, NO HC ODOR, STIFF
	10				
	11		CL		
	12				
	13				
		X			
	14				
	15				
	16				
	17				
	18				BORING TERMINATED @ 18 FT.
	19				

Clayton GROUP SERVICES

LOG OF EXPLORATORY BORING

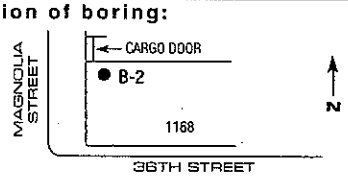
PROJECT NO.: 70-03661.01 DATE: 5/2/03
CLIENT: RCD
LOCATION: 36TH AND ADELINE STREET, EMERYVILLE, CA
LOGGED BY: D. ASHTON DRILLER: ECA

BORING NO. B-2
Sheet 1 of 1

Drilling Method: PORTABLE GEOPROBE/AIR HAMMER Hole Dia.: 2 IN.

Casing Installation Data:
TEMPORARY 1 IN. WELL POINT WITH 5 FT. SCREEN. WELL POINT REMOVED - BOREHOLE SEALED WITH PORTLAND CEMENT GROUT

Field location of boring:



Ground Elev.: Datum:

Depth To ▽	DRY	Depth To ▼			
Time		Time			
Date		Date			

PID (ppm)	Depth	Sample Interval	Soil Group Symbol (USCS)	Litho-graphic Symbol	DESCRIPTION
			CT		4" CONCRETE
	1				CLAY, BLACK, FINES 100%, MOIST, NO HYDROCARBON (HC) ODOR, AT 1' WOOD DEBRIS, POSSIBLE ROOTS, 3" TO 3.5"
	2		CL		
1.5	3	B X			
	4				
	5				
	6		CL		CLAY, GREENISH GRAY, MOIST, NO HC ODOR, FINES 100%
	7				
0.9		B			
	8	X			
	9				
	10		CL		SANDY CLAY, ORANGE - BROWN, FINES 85 - 95%, MEDIUM PLASTICITY, 5 - 15% SAND, FINE TO COARSE, TRACE SAND SUB-ROUND, MOIST, NO HC ODOR
	11				
	12		CL		AT 11' TO 11.1' SAND, ORANGE - BROWN, MOIST, NO HC ODOR
	13				AT 12.8', 3/4" ROCK, CEMENTED SAND
	14				
	15	X			
	16				
	17				
	18				
	19				BORING TERMINATED @ 19 FT.

Clayton GROUP SERVICES

LOG OF EXPLORATORY BORING

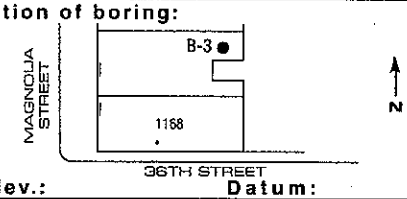
PROJECT NO.: 70-03661.01 DATE: 5/2/03
CLIENT: RCD
LOCATION: 36TH AND ADELINE STREET, EMERYVILLE, CA
LOGGED BY: D. ASHTON DRILLER: ECA

BORING NO. B-3 Sheet 1 of 1

Drilling Method: PORTABLE GEOPROBE/AIR HAMMER Hole Dia.: 2 IN.

Casing Installation Data:
TEMPORARY 1 IN. WELL POINT WITH 5 FT. SCREEN. WELL POINT REMOVED - BOREHOLE SEALED WITH PORTLAND CEMENT GROUT

Field location of boring:



Ground Elev.: Datum:

Depth To ▽	8.60'	Depth To ▼	
Time	12:35	Time	
Date	5/2/03	Date	

PID (ppm)	Depth	Sample Interval	Soil Group Symbol (USCS)	Litho-graphic Symbol	DESCRIPTION
			CT		4" CONCRETE
	1				CLAY, BLACK, FINES 90 - 100%, MEDIUM PLASTICITY, TRACE SAND FINE TO COARSE, TRACE GRAVEL
					TO 1/2" AT 1 - 1.5', SANDY AND GRAVELLY - LAYERS 1", DAMP, NO HYDROCARBON (HC) ODOR
	2		CL		
	3				
0.2		B			
	4	X			SILTY CLAY - CLAY, LIGHT BROWN, FINES 100%, LOW PLASTICITY, TRACE SAND AND GRAVEL,
					1/2" ROCK
	5				
	6				
	7				
0.4		B			
	8	X			
					SILTY CLAY - CLAY, LIGHT BROWN, LOW TO MEDIUM PLASTICITY, TRACE SAND AND GRAVEL, NO HC
	9				ODOR, MOIST
	10				
		B			
0.3	11	X	CL		
	12				
	13				
	14				
		X			
	15				
	16				
	17				AT 17' VISIBLE WETNESS
	18				
	19				BORING TERMINATED @ 19 FT.

Clayton GROUP SERVICES

LOG OF EXPLORATORY BORING

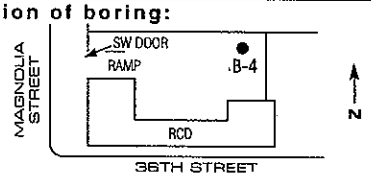
PROJECT NO.: 70-03661.01 DATE: 5/1/03
CLIENT: RCD
LOCATION: 36TH AND ADELINE STREET, EMERYVILLE, CA
LOGGED BY: D. ASHTON DRILLER: ECA

BORING NO. B-4 Sheet 1 of 1

Drilling Method: GEOPROBE 4510 Hole Dia.: 2 IN.

Casing Installation Data:
TEMPORARY 1 IN. WELL POINT WITH 5 FT. SCREEN. WELL POINT REMOVED - BOREHOLE SEALED WITH PORTLAND CEMENT GROUT

Field location of boring:



Ground Elev.: Datum:

Depth To ▽	8.7'	Depth To ▼			
Time	12:00	Time			
Date	5/2/03	Date			

PID (ppm)	Depth	Sample Interval	Soil Group Symbol (USCS)	Litho-graphic Symbol	DESCRIPTION
			CT		2" CONCRETE
	1		ML		SANDY SILT, BROWN, FINES 70%, SAND 30 - 35%, GRAVEL 0 - 5%, DRY, NO ODOR
	2		CL		CLAY, BLACK, FINES 100%, MEDIUM PLASTICITY, DAMP, SLIGHT ODOR - SEWER GAS
0.6	3	B			
	4	X			CLAYEY - SILT TO SILT, OLIVE GRAY, FINES 100% NON PLASTIC TO LOW PLASTICITY, CALICHE NODULES TO 1/4" - 1/2" RARE, MEDIUM STIFF, MOIST, NO ODOR
	5				
	6				
0.4	7	B			AT 7.5' SLIGHT HYDROCARBON (HC) ODOR
	8	X			
	9	X			AT 9' MOTTLED YELLOWISH ORANGE - OLIVE GRAY
	10		ML		
	11				
	12				
	13				
	14				
	15				
	16				SANDY SILT, OLIVE GRAY, FINES 70%, NON PLASTIC, SAND FINES 20 - 25%, GRAVEL 1/2" 5 - 10%,
	17		ML		DAMP - WET, DISTINCT HC ODOR
	18		ML/CL		SILT - SILTY CLAY, YELLOW ORANGE - OLIVE GRAY, NON PLASTIC - MEDIUM PLASTICITY, FINES 100%,
	19				MOTTLED, DAMP, HC ODOR SLIGHT
					BORING TERMINATED @ 19 FT.

Clayton GROUP SERVICES

LOG OF EXPLORATORY BORING

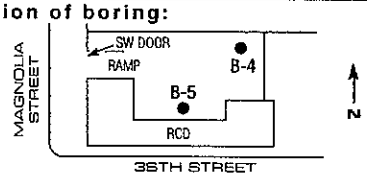
PROJECT NO.: 70-03661.01 DATE: 5/1/03
CLIENT: RCD
LOCATION: 36TH AND ADELINE STREET, EMERYVILLE, CA
LOGGED BY: D. ASHTON DRILLER: ECA

BORING NO. B-5 Sheet 1 of 1

Drilling Method: GEOPROBE 4510 Hole Dia.: 2 IN.

Casing Installation Data:
TEMPORARY 1 IN. WELL POINT WITH 5 FT. SCREEN. WELL POINT REMOVED - BOREHOLE SEALED WITH PORTLAND CEMENT GROUT

Field location of boring:



Ground Elev.: Datum:

Depth To ▽	9.0'	Depth To ▼	
Time	12:20	Time	
Date	5/2/03	Date	

PID (ppm)	Depth	Sample Interval	Soil Group Symbol (USCS)	Litho-graphic Symbol	DESCRIPTION
			CT		4" CONCRETE
			GP		6" GRAVEL - SANDS, FILL - BASE
	1				CLAY, BLACK, FINES 100%, MEDIUM STIFF, MOIST, MEDIUM HYDROCARBON (HC) ODOR
	2		CL		
	3				
	4				
					CLAY WITH GRAVEL, YELLOWISH ORANGE, FINES 85 - 90%, TRACE SAND, GRAVEL, TRACE TO 10%,
	5				1" - 3/4" ANGULAR TO SUBROUND, NO ODOR
	6				
	7				
0.3		B			
	8	X			
0.5	9	B ▽			
		X			
	10		CL		
	11				AT 11' BLACK CLAY WITH ANGULAR GRAVEL
	12				
	13				
	14				
	15				
	16				
	17		ML		SANDY SILT, OLIVE - GRAY, FINES 85%, NON PLASTIC, SANDS 15% FINE, SOFT, NO HC ODOR
	18		CL		CLAY - CLAYEY SILT, YELLOW - ORANGE, FINES 100%, CALICHE, DAMP - WET
					BORING TERMINATED @ 18 FT.
	19				

Clayton GROUP SERVICES

LOG OF EXPLORATORY BORING

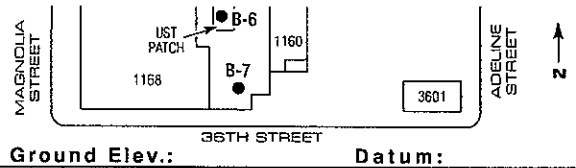
PROJECT NO.: 70-03661.01 DATE: 5/1/03
CLIENT: RCD
LOCATION: 36TH AND ADELINE STREET, EMERYVILLE, CA
LOGGED BY: D. ASHTON DRILLER: ECA

BORING NO. B-6 Sheet 1 of 1

Drilling Method: GEOPROBE 4510 Hole Dia.: 2 IN.

Casing Installation Data:
TEMPORARY 1 IN. WELL POINT WITH 5 FT. SCREEN. WELL POINT REMOVED - BOREHOLE SEALED WITH PORTLAND CEMENT GROUT

Field location of boring:



Ground Elev.: Datum:

Depth To ▽	8.43'	Depth To ▼
Time	12:31	Time
Date	5/2/03	Date

PID (ppm)	Depth	Sample Interval	Soil Group Symbol (USCS)	Litho-graphic Symbol	DESCRIPTION
			CT		2" CONCRETE
	1				GRAVELLY SILTY SAND, OLIVE GRAY (FILL), FINES 40 - 30%, SAND 50 -60%, GRAVEL TO 1" 0 -
	2				20%, ANGULAR, MOIST TO DAMP, SLIGHT HYDROCARBON (HC) ODOR
	3				
	4				
	5		SM		
	6				
2.0	7	B			
		X			
	8				
	9				AT 8.5 - 9' PEA GRAVEL
	10				AT 10' WET
					AT 10.2 - 10.5' PEA GRAVEL
	11				CLAY, OLIVE GREEN, FINES 100%, DAMP - WET, HC ODOR DISTINCT, OILY STAIN
	12				IN ROOTLETS (TRACE)
	13		CL		
	14				
	15				
	16				BORING TERMINATED @ 16 FT.
	17				
	18				
	19				

Clayton GROUP SERVICES

LOG OF EXPLORATORY BORING

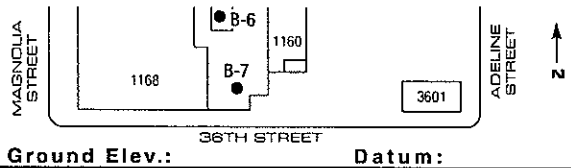
PROJECT NO.: 70-03661.01 DATE: 5/1/03
CLIENT: RCD
LOCATION: 36TH AND ADELINE STREET, EMERYVILLE, CA
LOGGED BY: D. ASHTON DRILLER: ECA

BORING NO. B-7 Sheet 1 of 1

Drilling Method: GEOPROBE 4510 Hole Dia.: 2 IN.

Casing Installation Data:
TEMPORARY 1 IN. WELL POINT WITH 5 FT. SCREEN. WELL POINT REMOVED - BOREHOLE SEALED WITH PORTLAND CEMENT GROUT

Field location of boring:



Ground Elev.: Datum:

Depth To ▽	10.02'	Depth To ▼
Time	12:30	Time
Date	5/2/03	Date

PID (ppm)	Depth	Sample Interval	Soil Group Symbol (USCS)	Litho-graphic Symbol	DESCRIPTION
			CT		2" CONCRETE
			GP		BASE GRAVEL 2" - 6"
	1				CLAY, BLACK, FINES 100%, MOIST, SLIGHT SEWER ODOR
	2				
		X	CL		
0.8	3	B			
	4				
	5				GRAVELLY CLAY, OLIVE - GREEN - GRAY, FINES 90 - 100%, SAND - GRAVEL 0 - 100%, DAMP, NO HYDROCARBON (HC) ODOR
	6				
	7		CL		
0.5		B			
	8	X			
	9		SP/SM		9' - 9.5' GRAVELLY FINE SAND, GRAY, DENSE
	10	▽			GRAVELLY CLAY, OLIVE GRAY, FINES 95 - 85%, GRAVEL 5 - 15%
			CL		
	11				AT 11.5' SLIGHT HC ODOR
	12				SILTY SAND AND GRAVEL, OLIVE GRAY, FINES 30%, SAND 60 - 50%, GRAVEL TO
	13		SM		3/4" 10 - 20%, SLIGHT HC ODOR, DAMP - WET.
	14				SILTY CLAY TO CLAYEY SILT, OLIVE - GRAY, SLIGHT HC ODOR
	15				
	16		CL/ML		
	17				
	18				SAND, OLIVE - GRAY, FINES 30%, FINE SAND 70%, WET, HC ODOR, FIRM
	19		SM		
			ML		SILT, ORANGE - BROWN, FINES 100%. WET. HC ODOR
	20				BORING TERMINATED @ 20 FT.

Clayton GROUP SERVICES

LOG OF EXPLORATORY BORING

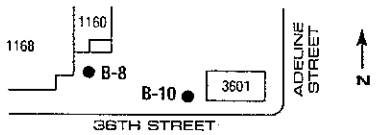
PROJECT NO.: 70-03661.01 DATE: 5/1/03
CLIENT: RCD
LOCATION: 36TH AND ADELINE STREET, EMERYVILLE, CA
LOGGED BY: D. ASHTON DRILLER: ECA

BORING NO. B-8 Sheet 1 of 1

Drilling Method: GEOPROBE 4510 Hole Dia.: 2 IN.

Casing Installation Data:
TEMPORARY 1 IN. WELL POINT WITH 5 FT. SCREEN. WELL POINT REMOVED - BOREHOLE SEALED WITH PORTLAND CEMENT GROUT

Field location of boring:



Ground Elev.: Datum:

Depth To ▽	8.55'	Depth To ▼			
Time	10:18	Time			
Date	5/2/03	Date			

PID (ppm)	Depth	Sample Interval	Soil Group Symbol (USCS)	Litho-graphic Symbol	DESCRIPTION
	1		CL		CLAY WITH GRAVEL, BLACK, FINES 90 - 100%, TRACE SAND, TRACE GRAVEL (ROUNDED) TO 3/4", ROOTLETS COMMON AT SURFACE, NO HYDROCARBON ODOR
	2				
0.4	3	B			
	4	X			
	5				5' - 6 ' GRADATIONAL COLOR CHANGE BLACK TO ORANGE BROWN
	6		ML		CLAYEY SILT, ORANGE - BROWN, FINES 100%, TRACE FINE SAND, MOTTLED, ROOT HOLES, MEDIUM STIFF, MOIST, NO HC ODOR
0.5	7	B			
	8	X			
	9		ML		SANDY SILT, MOTTLED, BLACK, ORANGE - BROWN, OLIVE - GRAY, FINES 70 - 75%, SANDS 20 - 25%, GRAVEL 5 - 10%, ANGULAR (CHERTY) DAMP, NO HC ODOR
	10	X			
	11				SILTY CLAY TO CLAY, ORANGE - BROWN, FINES 100%, TRACE CALICHE, DAMP - WET, NO HC ODOR
	12		CL		
	13				
	14				
	15				BORING TERMINATED @ 15 FT.
	16				
	17				
	18				
	19				

Clayton GROUP SERVICES

LOG OF EXPLORATORY BORING

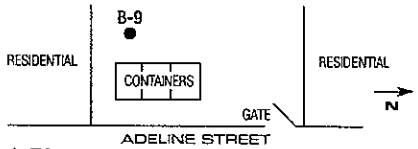
PROJECT NO.: 70-03661.01 DATE: 5/1/03
CLIENT: RCD
LOCATION: 36TH AND ADELINE STREET, EMERYVILLE, CA
LOGGED BY: D. ASHTON DRILLER: ECA

BORING NO. B-9 Sheet 1 of 1

Drilling Method: GEOPROBE 4510 Hole Dia.: 2 IN.

Casing Installation Data: TEMPORARY 1 IN. WELL POINT WITH 5 FT. SCREEN. WELL POINT REMOVED - BOREHOLE SEALED WITH PORTLAND CEMENT GROUT

Field location of boring:



Ground Elev.: Datum:

Depth To ▽	10.5'	Depth To ▼
Time	10:25	Time
Date	5/2/03	Date

PID (ppm)	Depth	Sample Interval	Soil Group Symbol (USCS)	Litho-graphic Symbol	DESCRIPTION
			AS		2" COARSE ASPHALT
			GP		2" BASE GRAVEL
	1				CLAY, BLACK, FINES 100%, MEDIUM PLASTICITY, STIFF, MOIST, NO HYDROCARBON (HC) ODOR,
	2				AT 4' POSSIBLE HC ODOR
	3		CL		
	4				
0.4	5	B X			
	6				GRADATIONAL BLACK TO OLIVE GRAY, CLAY TO SILTY CLAY, FINES 100%, TRACE CALICHE NODULES
	7				
	8	X	CL		
	9				AT 8.5', CLAY TO SILTY CLAY, YELLOW - ORANGE, FINES 95 - 100%, TRACE GRAVEL, ANGULAR
		X			TO SUBROUNDED (CHARCEDONY) POSSIBLE FILL, MOIST
0.3	10	B ▽			
	11				
	12		ML		SANDY SILT WITH GRAVEL, MOTTLED, REDDISH BROWN, OLIVE GRAY TO ORANGE - BROWN, FINES NON PLASTIC, 60 - 75%, SAND FINES 25 - 40%, TRACE GRAVEL TO 5% - ANGULAR TO SUBROUND, MOIST TO DAMP, NO HC ODOR
	13		CL		CLAY, OLIVE - GRAY, DAMP, NO HC ODOR
	14		ML		SAME AS 11-1/4' TO 13'
	15		ML		SILT TO CLAYEY SILT, ORANGE - BROWN TO OLIVE - GRAY, FINE 100%, CALICHE NODULES RARE, DAMP, NO HC ODOR
	16				
	17		CL		CLAY, OLIVE - GRAY, FINES 100%
	18		ML		SILT - CLAYEY SILT, ORANGE - BROWN, FINES 100%, DAMP - WET, NO HC ODOR
	19				BORING TERMINATED @ 19 FT.

Clayton GROUP SERVICES

LOG OF EXPLORATORY BORING

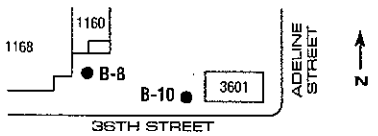
PROJECT NO.: 70-03661.01 DATE: 5/1/03
CLIENT: RCD
LOCATION: 36TH AND ADELINE STREET, EMERYVILLE, CA
LOGGED BY: D. ASHTON DRILLER: ECA

BORING NO. B-10 Sheet 1 of 1

Drilling Method: GEOPROBE 4510 Hole Dia.: 2 IN.

Casing Installation Data:
TEMPORARY 1 IN. WELL POINT WITH 5 FT. SCREEN. WELL POINT REMOVED - BOREHOLE SEALED WITH PORTLAND CEMENT GROUT

Field location of boring:



Ground Elev.: Datum:

Depth To ▽	16.6'	Depth To ▼			
Time	10:15	Time			
Date	5/2/03	Date			

PID (ppm)	Depth	Sample Interval	Soil Group Symbol (USCS)	Litho-graphic Symbol	DESCRIPTION
	1		CL		SANDY CLAY, BLACK, FINES 80 - 90%, FINE SAND 10 - 20%, TRACE ROUNDED GRAVEL TO 3/4", ROOTLETS COMMON, MOIST, NO HYDROCARBON (HC) ODOR
	2				
	3	X			
0.5		B			
	4				
	5		ML		CLAYEY SANDY SILT, ORANGE BROWN, FINES 70 - 75%, SAND 20 - 25%, GRAVEL ANGULAR, TRACE TO 1/2", FIRM, DAMP - MOIST, NO ODOR
	6				
	7	B			
0.5		X			
	8				
	9				
	10	X			
	11				
	12		CL/ML		CLAY TO CLAYEY SAND, ORANGE BROWN, FINES 95 - 100%, TRACE CHERTY ROCKS TO 1" ANGULAR, DAMP - WET, NO HC ODOR
	13				
	14				
	15				
	16	▽			
	17				
	18				
	19				BORING TERMINATED @ 19 FT.

APPENDIX C

LABORATORY ANALYTICAL DATA SHEETS AND CHAIN-OF-CUSTODY RECORDS

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

Clayton Group Services	Client Project ID: #70-03661.01; RCD	Date Sampled: 05/01/03
6920 Koll Center Pkwy, Ste. 216		Date Received: 05/05/03
Pleasanton, CA 94566	Client Contact: Don Ashton	Date Reported: 05/09/03
	Client P.O.:	Date Completed: 05/09/03

WorkOrder: 0305061

May 09, 2003

Dear Don:

Enclosed are:

1). the results of **29** analyzed samples from your **#70-03661.01; RCD project,**

2). a QC report for the above samples

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

4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits. If you have any questions please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Yours truly,

Angela Rydelius, Lab Manager

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Clayton Group Services	Client Project ID: #70-03661.01; RCD	Date Sampled: 05/01/03-05/02/03
6920 Koll Center Pkwy, Ste. 216		Date Received: 05/05/03
Pleasanton, CA 94566	Client Contact: Don Ashton	Date Extracted: 05/05/03
	Client P.O.:	Date Analyzed: 05/05/03-05/08/03

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline*

Extraction method: SW5030B Analytical methods: SW8021B/8015Cm Work Order: 0305061

Lab ID	Client ID	Matrix	TPH(g)	DF	% SS
001A	B-4 3.5-4'	S	ND	1	86.5
002A	B-4 7.5-8'	S	3.2,g	1	83.6
004A	B-5 7.5-8'	S	ND	1	83.6
005A	B-5 9-9.5'	S	ND	1	94.7
006A	B-6 7-7.5'	S	ND	1	104
007A	B-7 3.5-4'	S	ND	1	88.8
008A	B-7 7.5-8'	S	ND	1	91.4
009A	B-8 3.5-4'	S	ND	1	87.6
010A	B-8 7.5-8'	S	ND	1	89.3
012A	B-9 5-5.5'	S	ND	1	87.9
013A	B-9 7.5-8'	S	ND	1	89.7
015A	B-10 3.5-4'	S	ND	1	91.1
016A	B-10 7.5-8'	S	ND	1	86.6
019A	B-1 3.5-4'	S	ND	1	87.0
020A	B-1 7.5-8'	S	ND	1	84.6
021A	B-1 13.5-14'	S	ND	1	89.8
Reporting Limit for DF =1; ND means not detected at or above the reporting limit		W	NA	NA	
		S	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

Angela Rydelius, Lab Manager

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Clayton Group Services	Client Project ID: #70-03661.01; RCD	Date Sampled: 05/01/03-05/02/03
6920 Koll Center Pkwy, Ste. 216		Date Received: 05/05/03
Pleasanton, CA 94566	Client Contact: Don Ashton	Date Extracted: 05/05/03
	Client P.O.:	Date Analyzed: 05/05/03-05/08/03

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline*

Extraction method: SW5030B Analytical methods: SW8021B/8015Cm Work Order: 0305061

Lab ID	Client ID	Matrix	TPH(g)	DF	% SS
022A	B-2 3-3.5'	S	ND	1	87.7
023A	B-2 7.5-8'	S	ND	1	93.4
024A	B-2 14.5-15'	S	ND	1	85.2
025A	B-3 3.5-4'	S	ND	1	91.9
026A	B-3 7.5-8'	S	ND	1	87.7

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA
	S	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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Clayton Group Services	Client Project ID: #70-03661.01; RCD	Date Sampled: 05/01/03-05/02/03
6920 Koll Center Pkwy, Ste. 216		Date Received: 05/05/03
Pleasanton, CA 94566	Client Contact: Don Ashton	Date Extracted: 05/06/03-05/08/03
	Client P.O.:	Date Analyzed: 05/06/03-05/08/03

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline*

Extraction method: SW5030B Analytical methods: SW8021B/8015Cm Work Order: 0305061

Lab ID	Client ID	Matrix	TPH(g)	DF	% SS
017A	B-8W	W	ND,i	1	107
018A	B-9W	W	380,m	1	111
029A	B-3W	W	ND,i	1	103
030A	B-4W	W	130,m	1	108
031A	B-5W	W	ND	1	108
032A	B-6W	W	ND,i	1	101
033A	B-7W	W	2200,b,m,i	1	106

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

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Clayton Group Services	Client Project ID: #70-03661.01; RCD	Date Sampled: 05/01/03-05/02/03
6920 Koll Center Pkwy, Ste. 216		Date Received: 05/05/03
Pleasanton, CA 94566	Client Contact: Don Ashton	Date Extracted: 05/05/03
	Client P.O.:	Date Analyzed: 05/06/03-05/08/03

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

Extraction method: SW3550C Analytical methods: SW8015C Work Order: 0305061

Lab ID	Client ID	Matrix	TPH(d)	TPH(mo)	DF	% SS
0305061-001A	B-4 3.5-4'	S	ND	ND	1	98.9
0305061-002A	B-4 7.5-8'	S	140,b,g	210	10	91.5
0305061-004A	B-5 7.5-8'	S	ND	ND	1	102
0305061-005A	B-5 9-9.5'	S	ND	ND	1	89.9
0305061-006A	B-6 7-7.5'	S	2.5,g,b	8.3	1	92.7
0305061-007A	B-7 3.5-4'	S	ND	ND	1	93.1
0305061-008A	B-7 7.5-8'	S	ND	ND	1	90.6
0305061-009A	B-8 3.5-4'	S	ND	ND	1	92.7
0305061-010A	B-8 7.5-8'	S	ND	ND	1	93.6
0305061-012A	B-9 5-5.5'	S	ND	ND	1	110
0305061-013A	B-9 7.5-8'	S	ND	ND	1	109
0305061-015A	B-10 3.5-4'	S	ND	ND	1	99.4
0305061-016A	B-10 7.5-8'	S	ND	ND	1	103
0305061-017A	B-8W	W	ND,i	ND	1	105
0305061-018A	B-9W	W	320,n	ND	1	103
0305061-019A	B-1 3.5-4'	S	ND	ND	1	106

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

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Clayton Group Services	Client Project ID: #70-03661.01; RCD	Date Sampled: 05/01/03-05/02/03
6920 Koll Center Pkwy, Ste. 216		Date Received: 05/05/03
Pleasanton, CA 94566	Client Contact: Don Ashton	Date Extracted: 05/05/03
	Client P.O.:	Date Analyzed: 05/06/03-05/08/03

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

Extraction method: SW3550C Analytical methods: SW8015C Work Order: 0305061

Lab ID	Client ID	Matrix	TPH(d)	TPH(mo)	DF	% SS
0305061-020A	B-1 7.5-8'	S	ND	ND	1	109
0305061-021A	B-1 13.5-14'	S	ND	ND	1	93.9
0305061-022A	B-2 3-3.5'	S	ND	ND	1	110
0305061-023A	B-2 7.5-8'	S	ND	ND	1	111
0305061-024A	B-2 14.5-15'	S	ND	ND	1	97.6
0305061-025A	B-3 3.5-4'	S	ND	ND	1	104
0305061-026A	B-3 7.5-8'	S	ND	ND	1	95.8
0305061-029A	B-3W	W	ND,i	ND	1	108
0305061-030A	B-4W	W	610,c	590	1	105
0305061-031A	B-5W	W	140,b	ND	1	96.6
0305061-032A	B-6W	W	4700,c,i	4500	1	107
0305061-033A	B-7W	W	3400,n,i	370	1	95.8

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	250	µg/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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Clayton Group Services	Client Project ID: #70-03661.01; RCD	Date Sampled: 05/01/03-05/02/03
6920 Koll Center Pkwy, Ste. 216		Date Received: 05/05/03
Pleasanton, CA 94566	Client Contact: Don Ashton	Date Extracted: 05/05/03
	Client P.O.:	Date Analyzed: 05/06/03-05/07/03

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

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0305061

Lab ID	0305061-001A
Client ID	B-4 3.5-4'
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<75	1.0	50	tert-Amyl methyl ether (TAME)	ND	1.0	5.0
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	t-Butyl alcohol (TBA)	ND	1.0	25
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	Diisopropyl ether (DIPE)	ND	1.0	5.0
Ethylbenzene	ND	1.0	5.0	Ethyl tert-butyl ether (ETBE)	ND	1.0	5.0
Hexachlorobutadiene	ND	1.0	5.0	2-Hexanone	ND	1.0	5.0
Iodomethane (Methyl iodide)	ND	1.0	5.0	Isopropylbenzene	ND	1.0	5.0
4-Isopropyl toluene	ND	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND	1.0	5.0
Methylene chloride	ND	1.0	5.0	4-Methyl-2-pentanone (MIBK)	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:	106	%SS2:	98.6
%SS3:	100		

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

Angela Rydelius, Lab Manager

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

Clayton Group Services	Client Project ID: #70-03661.01; RCD	Date Sampled: 05/01/03-05/02/03
6920 Koll Center Pkwy, Ste. 216		Date Received: 05/05/03
Pleasanton, CA 94566	Client Contact: Don Ashton	Date Extracted: 05/05/03
	Client P.O.:	Date Analyzed: 05/06/03-05/07/03

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

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0305061

Lab ID	0305061-002A
Client ID	B-4 7.5-8'
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<75	1.0	50	tert-Amyl methyl ether (TAME)	ND	1.0	5.0
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	t-Butyl alcohol (TBA)	ND	1.0	25
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	Diisopropyl ether (DIPE)	ND	1.0	5.0
Ethylbenzene	ND	1.0	5.0	Ethyl tert-butyl ether (ETBE)	ND	1.0	5.0
Hexachlorobutadiene	ND	1.0	5.0	2-Hexanone	ND	1.0	5.0
Iodomethane (Methyl iodide)	ND	1.0	5.0	Isopropylbenzene	ND	1.0	5.0
4-Isopropyl toluene	ND	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND	1.0	5.0
Methylene chloride	ND	1.0	5.0	4-Methyl-2-pentanone (MIBK)	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:	105	%SS2:	97.8
%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

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Clayton Group Services	Client Project ID: #70-03661.01; RCD	Date Sampled: 05/01/03-05/02/03
6920 Koll Center Pkwy, Ste. 216		Date Received: 05/05/03
Pleasanton, CA 94566	Client Contact: Don Ashton	Date Extracted: 05/05/03
	Client P.O.:	Date Analyzed: 05/06/03-05/07/03

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

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0305061

Lab ID	0305061-004A
Client ID	B-5 7.5-8'
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<75	1.0	50	tert-Amyl methyl ether (TAME)	ND	1.0	5.0
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	t-Butyl alcohol (TBA)	ND	1.0	25
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	Diisopropyl ether (DIPE)	ND	1.0	5.0
Ethylbenzene	ND	1.0	5.0	Ethyl tert-butyl ether (ETBE)	ND	1.0	5.0
Hexachlorobutadiene	ND	1.0	5.0	2-Hexanone	ND	1.0	5.0
Iodomethane (Methyl iodide)	ND	1.0	5.0	Isopropylbenzene	ND	1.0	5.0
4-Isopropyl toluene	ND	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND	1.0	5.0
Methylene chloride	ND	1.0	5.0	4-Methyl-2-pentanone (MIBK)	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:	105	%SS2:	98.4
%SS3:	97.0		

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

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Clayton Group Services	Client Project ID: #70-03661.01; RCD	Date Sampled: 05/01/03-05/02/03
6920 Koll Center Pkwy, Ste. 216		Date Received: 05/05/03
Pleasanton, CA 94566	Client Contact: Don Ashton	Date Extracted: 05/05/03
	Client P.O.:	Date Analyzed: 05/06/03-05/07/03

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

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0305061

Lab ID	0305061-005A
Client ID	B-5 9-9.5'
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<75	1.0	50	tert-Amyl methyl ether (TAME)	ND	1.0	5.0
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	t-Butyl alcohol (TBA)	ND	1.0	25
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	Diisopropyl ether (DIPE)	ND	1.0	5.0
Ethylbenzene	ND	1.0	5.0	Ethyl tert-butyl ether (ETBE)	ND	1.0	5.0
Hexachlorobutadiene	ND	1.0	5.0	2-Hexanone	ND	1.0	5.0
Iodomethane (Methyl iodide)	ND	1.0	5.0	Isopropylbenzene	ND	1.0	5.0
4-Isopropyl toluene	ND	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND	1.0	5.0
Methylene chloride	ND	1.0	5.0	4-Methyl-2-pentanone (MIBK)	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:	103	%SS2:	97.6
%SS3:	96.8		

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

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Clayton Group Services	Client Project ID: #70-03661.01; RCD	Date Sampled: 05/01/03-05/02/03
6920 Koll Center Pkwy, Ste. 216		Date Received: 05/05/03
Pleasanton, CA 94566	Client Contact: Don Ashton	Date Extracted: 05/05/03
	Client P.O.:	Date Analyzed: 05/06/03-05/07/03

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

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0305061

Lab ID	0305061-006A
Client ID	B-6 7-7.5'
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<75	1.0	50	tert-Amyl methyl ether (TAME)	ND	1.0	5.0
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	t-Butyl alcohol (TBA)	ND	1.0	25
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	Diisopropyl ether (DIPE)	ND	1.0	5.0
Ethylbenzene	ND	1.0	5.0	Ethyl tert-butyl ether (ETBE)	ND	1.0	5.0
Hexachlorobutadiene	ND	1.0	5.0	2-Hexanone	ND	1.0	5.0
Iodomethane (Methyl iodide)	ND	1.0	5.0	Isopropylbenzene	ND	1.0	5.0
4-Isopropyl toluene	ND	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND	1.0	5.0
Methylene chloride	ND	1.0	5.0	4-Methyl-2-pentanone (MIBK)	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:	103	%SS2:	96.6
%SS3:	97.8		

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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Clayton Group Services	Client Project ID: #70-03661.01; RCD	Date Sampled: 05/01/03-05/02/03
6920 Koll Center Pkwy, Ste. 216		Date Received: 05/05/03
Pleasanton, CA 94566	Client Contact: Don Ashton	Date Extracted: 05/05/03
	Client P.O.:	Date Analyzed: 05/06/03-05/07/03

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

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0305061

Lab ID	0305061-007A
Client ID	B-7 3.5-4'
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<75	1.0	50	tert-Amyl methyl ether (TAME)	ND	1.0	5.0
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	t-Butyl alcohol (TBA)	ND	1.0	25
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	Diisopropyl ether (DIPE)	ND	1.0	5.0
Ethylbenzene	ND	1.0	5.0	Ethyl tert-butyl ether (ETBE)	ND	1.0	5.0
Hexachlorobutadiene	ND	1.0	5.0	2-Hexanone	ND	1.0	5.0
Iodomethane (Methyl iodide)	ND	1.0	5.0	Isopropylbenzene	ND	1.0	5.0
4-Isopropyl toluene	ND	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND	1.0	5.0
Methylene chloride	ND	1.0	5.0	4-Methyl-2-pentanone (MIBK)	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:	103	%SS2:	97.1
%SS3:	101		

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

Angela Rydelius, Lab Manager

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Telephone : 925-798-1620 Fax : 925-798-1622
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Clayton Group Services	Client Project ID: #70-03661.01; RCD	Date Sampled: 05/01/03-05/02/03
6920 Koll Center Pkwy, Ste. 216		Date Received: 05/05/03
Pleasanton, CA 94566	Client Contact: Don Ashton	Date Extracted: 05/05/03
	Client P.O.:	Date Analyzed: 05/06/03-05/07/03

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

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0305061

Lab ID	0305061-008A
Client ID	B-7 7.5-8'
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<75	1.0	50	tert-Amyl methyl ether (TAME)	ND	1.0	5.0
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	t-Butyl alcohol (TBA)	ND	1.0	25
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	Diisopropyl ether (DIPE)	ND	1.0	5.0
Ethylbenzene	ND	1.0	5.0	Ethyl tert-butyl ether (ETBE)	ND	1.0	5.0
Hexachlorobutadiene	ND	1.0	5.0	2-Hexanone	ND	1.0	5.0
Iodomethane (Methyl iodide)	ND	1.0	5.0	Isopropylbenzene	ND	1.0	5.0
4-Isopropyl toluene	ND	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND	1.0	5.0
Methylene chloride	ND	1.0	5.0	4-Methyl-2-pentanone (MIBK)	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:	102	%SS2:	96.9
%SS3:	98.0		

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

Angela Rydelius, Lab Manager

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Telephone : 925-798-1620 Fax : 925-798-1622
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Clayton Group Services	Client Project ID: #70-03661.01; RCD	Date Sampled: 05/01/03-05/02/03
6920 Koll Center Pkwy, Ste. 216		Date Received: 05/05/03
Pleasanton, CA 94566	Client Contact: Don Ashton	Date Extracted: 05/05/03
	Client P.O.:	Date Analyzed: 05/06/03-05/07/03

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

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0305061

Lab ID	0305061-009A
Client ID	B-8 3.5-4'
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<75	1.0	50	tert-Amyl methyl ether (TAME)	ND	1.0	5.0
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	t-Butyl alcohol (TBA)	ND	1.0	25
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	Diisopropyl ether (DIPE)	ND	1.0	5.0
Ethylbenzene	ND	1.0	5.0	Ethyl tert-butyl ether (ETBE)	ND	1.0	5.0
Hexachlorobutadiene	ND	1.0	5.0	2-Hexanone	ND	1.0	5.0
Iodomethane (Methyl iodide)	ND	1.0	5.0	Isopropylbenzene	ND	1.0	5.0
4-Isopropyl toluene	ND	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND	1.0	5.0
Methylene chloride	ND	1.0	5.0	4-Methyl-2-pentanone (MIBK)	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:	97.6	%SS2:	97.4
%SS3:	101		

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

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Clayton Group Services	Client Project ID: #70-03661.01; RCD	Date Sampled: 05/01/03-05/02/03
6920 Koll Center Pkwy, Ste. 216		Date Received: 05/05/03
Pleasanton, CA 94566	Client Contact: Don Ashton	Date Extracted: 05/05/03
	Client P.O.:	Date Analyzed: 05/06/03-05/07/03

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

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0305061

Lab ID	0305061-010A
Client ID	B-8 7.5-8'
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<75	1.0	50	tert-Amyl methyl ether (TAME)	ND	1.0	5.0
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	t-Butyl alcohol (TBA)	ND	1.0	25
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	Diisopropyl ether (DIPE)	ND	1.0	5.0
Ethylbenzene	ND	1.0	5.0	Ethyl tert-butyl ether (ETBE)	ND	1.0	5.0
Hexachlorobutadiene	ND	1.0	5.0	2-Hexanone	ND	1.0	5.0
Iodomethane (Methyl iodide)	ND	1.0	5.0	Isopropylbenzene	ND	1.0	5.0
4-Isopropyl toluene	ND	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND	1.0	5.0
Methylene chloride	ND	1.0	5.0	4-Methyl-2-pentanone (MIBK)	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:	97.9	%SS2:	97.3
%SS3:	99.1		

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.

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Clayton Group Services	Client Project ID: #70-03661.01; RCD	Date Sampled: 05/01/03-05/02/03
6920 Koll Center Pkwy, Ste. 216		Date Received: 05/05/03
Pleasanton, CA 94566	Client Contact: Don Ashton	Date Extracted: 05/05/03
	Client P.O.:	Date Analyzed: 05/06/03-05/07/03

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

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0305061

Lab ID	0305061-012A
Client ID	B-9 5-5.5'
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<75	1.0	50	tert-Amyl methyl ether (TAME)	ND	1.0	5.0
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	t-Butyl alcohol (TBA)	ND	1.0	25
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	Diisopropyl ether (DIPE)	ND	1.0	5.0
Ethylbenzene	ND	1.0	5.0	Ethyl tert-butyl ether (ETBE)	ND	1.0	5.0
Hexachlorobutadiene	ND	1.0	5.0	2-Hexanone	ND	1.0	5.0
Iodomethane (Methyl iodide)	ND	1.0	5.0	Isopropylbenzene	ND	1.0	5.0
4-Isopropyl toluene	ND	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND	1.0	5.0
Methylene chloride	ND	1.0	5.0	4-Methyl-2-pentanone (MIBK)	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:	95.8	%SS2:	96.8
%SS3:	100		

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

Angela Rydelius, Lab Manager

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Telephone : 925-798-1620 Fax : 925-798-1622
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Clayton Group Services	Client Project ID: #70-03661.01; RCD	Date Sampled: 05/01/03-05/02/03
6920 Koll Center Pkwy, Ste. 216		Date Received: 05/05/03
Pleasanton, CA 94566	Client Contact: Don Ashton	Date Extracted: 05/05/03-05/07/03
	Client P.O.:	Date Analyzed: 05/06/03-05/07/03

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

Extraction Method: Analytical Method: SW8260B Work Order: 0305061

Lab ID	0305061-013A
Client ID	B-9 7.5-8'
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<75	1.0	50	tert-Amyl methyl ether (TAME)	ND	1.0	5.0
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	t-Butyl alcohol (TBA)	ND	1.0	25
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	Diisopropyl ether (DIPE)	ND	1.0	5.0
Ethylbenzene	ND	1.0	5.0	Ethyl tert-butyl ether (ETBE)	ND	1.0	5.0
Hexachlorobutadiene	ND	1.0	5.0	2-Hexanone	ND	1.0	5.0
Iodomethane (Methyl iodide)	ND	1.0	5.0	Isopropylbenzene	ND	1.0	5.0
4-Isopropyl toluene	ND	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND	1.0	5.0
Methylene chloride	ND	1.0	5.0	4-Methyl-2-pentanone (MIBK)	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:	96.9	%SS2:	96.8
%SS3:	100		

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

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

Clayton Group Services	Client Project ID: #70-03661.01; RCD	Date Sampled: 05/01/03-05/02/03
6920 Koll Center Pkwy, Ste. 216		Date Received: 05/05/03
Pleasanton, CA 94566	Client Contact: Don Ashton	Date Extracted: 05/05/03
	Client P.O.:	Date Analyzed: 05/06/03-05/07/03

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

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0305061

Lab ID	0305061-015A
Client ID	B-10 3.5-4'
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<75	1.0	50	tert-Amyl methyl ether (TAME)	ND	1.0	5.0
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	t-Butyl alcohol (TBA)	ND	1.0	25
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	Diisopropyl ether (DIPE)	ND	1.0	5.0
Ethylbenzene	ND	1.0	5.0	Ethyl tert-butyl ether (ETBE)	ND	1.0	5.0
Hexachlorobutadiene	ND	1.0	5.0	2-Hexanone	ND	1.0	5.0
Iodomethane (Methyl iodide)	ND	1.0	5.0	Isopropylbenzene	ND	1.0	5.0
4-Isopropyl toluene	ND	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND	1.0	5.0
Methylene chloride	ND	1.0	5.0	4-Methyl-2-pentanone (MIBK)	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:	101	%SS2:	96.9
%SS3:	95.3		

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.

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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Clayton Group Services	Client Project ID: #70-03661.01; RCD	Date Sampled: 05/01/03-05/02/03
6920 Koll Center Pkwy, Ste. 216		Date Received: 05/05/03
Pleasanton, CA 94566	Client Contact: Don Ashton	Date Extracted: 05/05/03
	Client P.O.:	Date Analyzed: 05/06/03-05/07/03

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

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0305061

Lab ID	0305061-016A
Client ID	B-10 7.5-8'
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<75	1.0	50	tert-Amyl methyl ether (TAME)	ND	1.0	5.0
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	t-Butyl alcohol (TBA)	ND	1.0	25
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	Diisopropyl ether (DIPE)	ND	1.0	5.0
Ethylbenzene	ND	1.0	5.0	Ethyl tert-butyl ether (ETBE)	ND	1.0	5.0
Hexachlorobutadiene	ND	1.0	5.0	2-Hexanone	ND	1.0	5.0
Iodomethane (Methyl iodide)	ND	1.0	5.0	Isopropylbenzene	ND	1.0	5.0
4-Isopropyl toluene	ND	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND	1.0	5.0
Methylene chloride	ND	1.0	5.0	4-Methyl-2-pentanone (MIBK)	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:	99.9	%SS2:	105
%SS3:	96.5		

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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Clayton Group Services	Client Project ID: #70-03661.01; RCD	Date Sampled: 05/01/03-05/02/03
6920 Koll Center Pkwy, Ste. 216		Date Received: 05/05/03
Pleasanton, CA 94566	Client Contact: Don Ashton	Date Extracted: 05/05/03
	Client P.O.:	Date Analyzed: 05/06/03-05/07/03

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

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0305061

Lab ID	0305061-019A
Client ID	B-1 3.5-4'
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<75	1.0	50	tert-Amyl methyl ether (TAME)	ND	1.0	5.0
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	t-Butyl alcohol (TBA)	ND	1.0	25
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	Diisopropyl ether (DIPE)	ND	1.0	5.0
Ethylbenzene	ND	1.0	5.0	Ethyl tert-butyl ether (ETBE)	ND	1.0	5.0
Hexachlorobutadiene	ND	1.0	5.0	2-Hexanone	ND	1.0	5.0
Iodomethane (Methyl iodide)	ND	1.0	5.0	Isopropylbenzene	ND	1.0	5.0
4-Isopropyl toluene	ND	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND	1.0	5.0
Methylene chloride	ND	1.0	5.0	4-Methyl-2-pentanone (MIBK)	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:	97.7	%SS2:	92.6
%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.

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

Angela Rydelius, Lab Manager

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Clayton Group Services	Client Project ID: #70-03661.01; RCD	Date Sampled: 05/01/03-05/02/03
6920 Koll Center Pkwy, Ste. 216		Date Received: 05/05/03
Pleasanton, CA 94566	Client Contact: Don Ashton	Date Extracted: 05/05/03
	Client P.O.:	Date Analyzed: 05/06/03-05/07/03

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

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0305061

Lab ID	0305061-020A
Client ID	B-1 7.5-8'
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<75	1.0	50	tert-Amyl methyl ether (TAME)	ND	1.0	5.0
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	t-Butyl alcohol (TBA)	ND	1.0	25
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	Diisopropyl ether (DIPE)	ND	1.0	5.0
Ethylbenzene	ND	1.0	5.0	Ethyl tert-butyl ether (ETBE)	ND	1.0	5.0
Hexachlorobutadiene	ND	1.0	5.0	2-Hexanone	ND	1.0	5.0
Iodomethane (Methyl iodide)	ND	1.0	5.0	Isopropylbenzene	ND	1.0	5.0
4-Isopropyl toluene	ND	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND	1.0	5.0
Methylene chloride	ND	1.0	5.0	4-Methyl-2-pentanone (MIBK)	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:	108	%SS2:	108
%SS3:	96.3		

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.

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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6920 Koll Center Pkwy, Ste. 216		Date Received: 05/05/03
Pleasanton, CA 94566	Client Contact: Don Ashton	Date Extracted: 05/05/03
	Client P.O.:	Date Analyzed: 05/06/03-05/07/03

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

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0305061

Lab ID	0305061-021A
Client ID	B-1 13.5-14'
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<75	1.0	50	tert-Amyl methyl ether (TAME)	ND	1.0	5.0
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	t-Butyl alcohol (TBA)	ND	1.0	25
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	Diisopropyl ether (DIPE)	ND	1.0	5.0
Ethylbenzene	ND	1.0	5.0	Ethyl tert-butyl ether (ETBE)	ND	1.0	5.0
Hexachlorobutadiene	ND	1.0	5.0	2-Hexanone	ND	1.0	5.0
Iodomethane (Methyl iodide)	ND	1.0	5.0	Isopropylbenzene	ND	1.0	5.0
4-Isopropyl toluene	ND	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND	1.0	5.0
Methylene chloride	ND	1.0	5.0	4-Methyl-2-pentanone (MIBK)	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:	105	%SS2:	106
%SS3:	96.5		

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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Clayton Group Services	Client Project ID: #70-03661.01; RCD	Date Sampled: 05/01/03-05/02/03
6920 Koll Center Pkwy, Ste. 216		Date Received: 05/05/03
Pleasanton, CA 94566	Client Contact: Don Ashton	Date Extracted: 05/05/03
	Client P.O.:	Date Analyzed: 05/06/03-05/07/03

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

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0305061

Lab ID	0305061-022A
Client ID	B-2 3-3.5'
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<75	1.0	50	tert-Amyl methyl ether (TAME)	ND	1.0	5.0
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	t-Butyl alcohol (TBA)	ND	1.0	25
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	Diisopropyl ether (DIPE)	ND	1.0	5.0
Ethylbenzene	ND	1.0	5.0	Ethyl tert-butyl ether (ETBE)	ND	1.0	5.0
Hexachlorobutadiene	ND	1.0	5.0	2-Hexanone	ND	1.0	5.0
Iodomethane (Methyl iodide)	ND	1.0	5.0	Isopropylbenzene	ND	1.0	5.0
4-Isopropyl toluene	ND	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND	1.0	5.0
Methylene chloride	ND	1.0	5.0	4-Methyl-2-pentanone (MIBK)	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:	98.3	%SS2:	97.3
%SS3:	97.0		

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.

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Pleasanton, CA 94566	Client Contact: Don Ashton	Date Extracted: 05/05/03
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Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0305061

Lab ID	0305061-023A
Client ID	B-2 7.5-8'
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<75	1.0	50	tert-Amyl methyl ether (TAME)	ND	1.0	5.0
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	t-Butyl alcohol (TBA)	ND	1.0	25
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	Diisopropyl ether (DIPE)	ND	1.0	5.0
Ethylbenzene	ND	1.0	5.0	Ethyl tert-butyl ether (ETBE)	ND	1.0	5.0
Hexachlorobutadiene	ND	1.0	5.0	2-Hexanone	ND	1.0	5.0
Iodomethane (Methyl iodide)	ND	1.0	5.0	Isopropylbenzene	ND	1.0	5.0
4-Isopropyl toluene	ND	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND	1.0	5.0
Methylene chloride	ND	1.0	5.0	4-Methyl-2-pentanone (MIBK)	ND	1.0	5.0
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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:	106	%SS2:	105
%SS3:	95.0		

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.

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Pleasanton, CA 94566	Client Contact: Don Ashton	Date Extracted: 05/05/03
	Client P.O.:	Date Analyzed: 05/06/03-05/07/03

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

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0305061

Lab ID	0305061-024A
Client ID	B-2 14.5-15'
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<75	1.0	50	tert-Amyl methyl ether (TAME)	ND	1.0	5.0
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	t-Butyl alcohol (TBA)	ND	1.0	25
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	Diisopropyl ether (DIPE)	ND	1.0	5.0
Ethylbenzene	ND	1.0	5.0	Ethyl tert-butyl ether (ETBE)	ND	1.0	5.0
Hexachlorobutadiene	ND	1.0	5.0	2-Hexanone	ND	1.0	5.0
Iodomethane (Methyl iodide)	ND	1.0	5.0	Isopropylbenzene	ND	1.0	5.0
4-Isopropyl toluene	ND	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND	1.0	5.0
Methylene chloride	ND	1.0	5.0	4-Methyl-2-pentanone (MIBK)	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:	102	%SS2:	101
%SS3:	95.4		

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

Angela Rydelius, Lab Manager

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Clayton Group Services	Client Project ID: #70-03661.01; RCD	Date Sampled: 05/01/03-05/02/03
6920 Koll Center Pkwy, Ste. 216		Date Received: 05/05/03
Pleasanton, CA 94566	Client Contact: Don Ashton	Date Extracted: 05/05/03
	Client P.O.:	Date Analyzed: 05/06/03-05/07/03

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

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0305061

Lab ID	0305061-025A
Client ID	B-3 3.5-4'
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<75	1.0	50	tert-Amyl methyl ether (TAME)	ND	1.0	5.0
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	t-Butyl alcohol (TBA)	ND	1.0	25
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	Diisopropyl ether (DIPE)	ND	1.0	5.0
Ethylbenzene	ND	1.0	5.0	Ethyl tert-butyl ether (ETBE)	ND	1.0	5.0
Hexachlorobutadiene	ND	1.0	5.0	2-Hexanone	ND	1.0	5.0
Iodomethane (Methyl iodide)	ND	1.0	5.0	Isopropylbenzene	ND	1.0	5.0
4-Isopropyl toluene	ND	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND	1.0	5.0
Methylene chloride	ND	1.0	5.0	4-Methyl-2-pentanone (MIBK)	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:	102	%SS2:	102
%SS3:	94.9		

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.

DHS Certification No. 1644

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Clayton Group Services	Client Project ID: #70-03661.01; RCD	Date Sampled: 05/01/03-05/02/03
6920 Koll Center Pkwy, Ste. 216		Date Received: 05/05/03
Pleasanton, CA 94566	Client Contact: Don Ashton	Date Extracted: 05/05/03
	Client P.O.:	Date Analyzed: 05/06/03-05/07/03

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

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0305061

Lab ID	0305061-026A
Client ID	B-3 7.5-8'
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<75	1.0	50	tert-Amyl methyl ether (TAME)	ND	1.0	5.0
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	t-Butyl alcohol (TBA)	ND	1.0	25
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	Diisopropyl ether (DIPE)	ND	1.0	5.0
Ethylbenzene	ND	1.0	5.0	Ethyl tert-butyl ether (ETBE)	ND	1.0	5.0
Hexachlorobutadiene	ND	1.0	5.0	2-Hexanone	ND	1.0	5.0
Iodomethane (Methyl iodide)	ND	1.0	5.0	Isopropylbenzene	ND	1.0	5.0
4-Isopropyl toluene	ND	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND	1.0	5.0
Methylene chloride	ND	1.0	5.0	4-Methyl-2-pentanone (MIBK)	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:	106	%SS2:	109
%SS3:	95.9		

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.

DHS Certification No. 1644

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Clayton Group Services	Client Project ID: #70-03661.01; RCD	Date Sampled: 05/01/03-05/02/03
6920 Koll Center Pkwy, Ste. 216		Date Received: 05/05/03
Pleasanton, CA 94566	Client Contact: Don Ashton	Date Extracted: 05/06/03
	Client P.O.:	Date Analyzed: 05/06/03

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

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0305061

Lab ID	0305061-017B
Client ID	B-8W
Matrix	Water

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<5.5	1.0	5.0	tert-Amyl methyl ether (TAME)	ND	1.0	0.5
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	t-Butyl alcohol (TBA)	ND	1.0	5.0
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	Diisopropyl ether (DIPE)	ND	1.0	0.5
Ethylbenzene	ND	1.0	0.5	Ethyl tert-butyl ether (ETBE)	ND	1.0	0.5
Hexachlorobutadiene	ND	1.0	0.5	2-Hexanone	ND	1.0	0.5
Iodomethane (Methyl iodide)	ND	1.0	0.5	Isopropylbenzene	ND	1.0	0.5
4-Isopropyl toluene	ND	1.0	0.5	Methyl-t-butyl ether (MTBE)	0.53	1.0	0.5
Methylene chloride	ND	1.0	0.5	4-Methyl-2-pentanone (MIBK)	ND<1.0	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:	105	%SS2:	102
%SS3:	102		

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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Clayton Group Services	Client Project ID: #70-03661.01; RCD	Date Sampled: 05/01/03-05/02/03
6920 Koll Center Pkwy, Ste. 216		Date Received: 05/05/03
Pleasanton, CA 94566	Client Contact: Don Ashton	Date Extracted: 05/06/03
	Client P.O.:	Date Analyzed: 05/06/03

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

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0305061

Lab ID	0305061-018B
Client ID	B-9W
Matrix	Water

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<5.5	1.0	5.0	tert-Amyl methyl ether (TAME)	ND	1.0	0.5
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	t-Butyl alcohol (TBA)	ND	1.0	5.0
n-Butyl benzene	0.76	1.0	0.5	sec-Butyl benzene	0.56	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	Diisopropyl ether (DIPE)	1.7	1.0	0.5
Ethylbenzene	ND	1.0	0.5	Ethyl tert-butyl ether (ETBE)	ND	1.0	0.5
Hexachlorobutadiene	ND	1.0	0.5	2-Hexanone	ND	1.0	0.5
Iodomethane (Methyl iodide)	ND	1.0	0.5	Isopropylbenzene	ND	1.0	0.5
4-Isopropyl toluene	ND	1.0	0.5	Methyl-t-butyl ether (MTBE)	8.6	1.0	0.5
Methylene chloride	ND	1.0	0.5	4-Methyl-2-pentanone (MIBK)	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:	102	%SS2:	102
%SS3:	104		

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

Angela Rydelius, Lab Manager

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Telephone : 925-798-1620 Fax : 925-798-1622
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Clayton Group Services	Client Project ID: #70-03661.01; RCD	Date Sampled: 05/01/03-05/02/03
6920 Koll Center Pkwy, Ste. 216		Date Received: 05/05/03
Pleasanton, CA 94566	Client Contact: Don Ashton	Date Extracted: 05/06/03
	Client P.O.:	Date Analyzed: 05/06/03

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

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0305061

Lab ID	0305061-029B
Client ID	B-3W
Matrix	Water

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<5.5	1.0	5.0	tert-Amyl methyl ether (TAME)	ND	1.0	0.5
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	t-Butyl alcohol (TBA)	ND	1.0	5.0
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	Diisopropyl ether (DIPE)	ND	1.0	0.5
Ethylbenzene	ND	1.0	0.5	Ethyl tert-butyl ether (ETBE)	ND	1.0	0.5
Hexachlorobutadiene	ND	1.0	0.5	2-Hexanone	ND	1.0	0.5
Iodomethane (Methyl iodide)	ND	1.0	0.5	Isopropylbenzene	ND	1.0	0.5
4-Isopropyl toluene	ND	1.0	0.5	Methyl-t-butyl ether (MTBE)	ND	1.0	0.5
Methylene chloride	ND	1.0	0.5	4-Methyl-2-pentanone (MIBK)	ND<1.0	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:	105	%SS2:	102
%SS3:	101		

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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Clayton Group Services	Client Project ID: #70-03661.01; RCD	Date Sampled: 05/01/03-05/02/03
6920 Koll Center Pkwy, Ste. 216		Date Received: 05/05/03
Pleasanton, CA 94566	Client Contact: Don Ashton	Date Extracted: 05/06/03
	Client P.O.:	Date Analyzed: 05/06/03

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

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0305061

Lab ID	0305061-030B
Client ID	B-4W
Matrix	Water

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<5.5	1.0	5.0	tert-Amyl methyl ether (TAME)	ND	1.0	0.5
Benzene	0.55	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	t-Butyl alcohol (TBA)	ND	1.0	5.0
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	Diisopropyl ether (DIPE)	8.7	1.0	0.5
Ethylbenzene	ND	1.0	0.5	Ethyl tert-butyl ether (ETBE)	ND	1.0	0.5
Hexachlorobutadiene	ND	1.0	0.5	2-Hexanone	ND	1.0	0.5
Iodomethane (Methyl iodide)	ND	1.0	0.5	Isopropylbenzene	ND	1.0	0.5
4-Isopropyl toluene	ND	1.0	0.5	Methyl-t-butyl ether (MTBE)	1.9	1.0	0.5
Methylene chloride	ND	1.0	0.5	4-Methyl-2-pentanone (MIBK)	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:	104	%SS2:	101
%SS3:	99.6		

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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Clayton Group Services	Client Project ID: #70-03661.01; RCD	Date Sampled: 05/01/03-05/02/03
6920 Koll Center Pkwy, Ste. 216		Date Received: 05/05/03
Pleasanton, CA 94566	Client Contact: Don Ashton	Date Extracted: 05/06/03
	Client P.O.:	Date Analyzed: 05/06/03

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

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0305061

Lab ID	0305061-031B
Client ID	B-5W
Matrix	Water

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<5.5	1.0	5.0	tert-Amyl methyl ether (TAME)	ND	1.0	0.5
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	t-Butyl alcohol (TBA)	ND	1.0	5.0
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	0.82	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	Diisopropyl ether (DIPE)	1.4	1.0	0.5
Ethylbenzene	ND	1.0	0.5	Ethyl tert-butyl ether (ETBE)	ND	1.0	0.5
Hexachlorobutadiene	ND	1.0	0.5	2-Hexanone	ND	1.0	0.5
Iodomethane (Methyl iodide)	ND	1.0	0.5	Isopropylbenzene	ND	1.0	0.5
4-Isopropyl toluene	ND	1.0	0.5	Methyl-t-butyl ether (MTBE)	3.3	1.0	0.5
Methylene chloride	ND	1.0	0.5	4-Methyl-2-pentanone (MIBK)	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	0.93	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	1.0	1.0	0.5				

Surrogate Recoveries (%)

%SS1:	107	%SS2:	102
%SS3:	102		

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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Clayton Group Services	Client Project ID: #70-03661.01; RCD	Date Sampled: 05/01/03-05/02/03
6920 Koll Center Pkwy, Ste. 216		Date Received: 05/05/03
Pleasanton, CA 94566	Client Contact: Don Ashton	Date Extracted: 05/06/03
	Client P.O.:	Date Analyzed: 05/06/03

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

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0305061

Lab ID	0305061-032B
Client ID	B-6W
Matrix	Water

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<5.5	1.0	5.0	tert-Amyl methyl ether (TAME)	ND	1.0	0.5
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	t-Butyl alcohol (TBA)	ND	1.0	5.0
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	Diisopropyl ether (DIPE)	ND	1.0	0.5
Ethylbenzene	ND	1.0	0.5	Ethyl tert-butyl ether (ETBE)	ND	1.0	0.5
Hexachlorobutadiene	ND	1.0	0.5	2-Hexanone	ND	1.0	0.5
Iodomethane (Methyl iodide)	ND	1.0	0.5	Isopropylbenzene	ND	1.0	0.5
4-Isopropyl toluene	ND	1.0	0.5	Methyl-t-butyl ether (MTBE)	ND	1.0	0.5
Methylene chloride	ND	1.0	0.5	4-Methyl-2-pentanone (MIBK)	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:	106	%SS2:	101
%SS3:	106		

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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Clayton Group Services	Client Project ID: #70-03661.01; RCD	Date Sampled: 05/01/03-05/02/03
6920 Koll Center Pkwy, Ste. 216		Date Received: 05/05/03
Pleasanton, CA 94566	Client Contact: Don Ashton	Date Extracted: 05/06/03
	Client P.O.:	Date Analyzed: 05/06/03

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

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0305061

Lab ID	0305061-033B
Client ID	B-7W
Matrix	Water

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<50	10	5.0	tert-Amyl methyl ether (TAME)	ND<5.0	10	0.5
Benzene	ND<5.0	10	0.5	Bromobenzene	ND<5.0	10	0.5
Bromochloromethane	ND<5.0	10	0.5	Bromodichloromethane	ND<5.0	10	0.5
Bromoform	ND<5.0	10	0.5	Bromomethane	ND<5.0	10	0.5
2-Butanone (MEK)	ND<10	10	1.0	t-Butyl alcohol (TBA)	ND<50	10	5.0
n-Butyl benzene	20	10	0.5	sec-Butyl benzene	14	10	0.5
tert-Butyl benzene	14	10	0.5	Carbon Disulfide	ND<5.0	10	0.5
Carbon Tetrachloride	ND<5.0	10	0.5	Chlorobenzene	ND<5.0	10	0.5
Chloroethane	ND<5.0	10	0.5	2-Chloroethyl Vinyl Ether	ND<5.0	10	0.5
Chloroform	ND<5.0	10	0.5	Chloromethane	ND<5.0	10	0.5
2-Chlorotoluene	ND<5.0	10	0.5	4-Chlorotoluene	ND<5.0	10	0.5
Dibromochloromethane	ND<5.0	10	0.5	1,2-Dibromo-3-chloropropane	ND<5.0	10	0.5
1,2-Dibromoethane (EDB)	ND<5.0	10	0.5	Dibromomethane	ND<5.0	10	0.5
1,2-Dichlorobenzene	ND<5.0	10	0.5	1,3-Dichlorobenzene	ND<5.0	10	0.5
1,4-Dichlorobenzene	ND<5.0	10	0.5	Dichlorodifluoromethane	ND<5.0	10	0.5
1,1-Dichloroethane	ND<5.0	10	0.5	1,2-Dichloroethane (1,2-DCA)	ND<5.0	10	0.5
1,1-Dichloroethene	ND<5.0	10	0.5	cis-1,2-Dichloroethene	ND<5.0	10	0.5
trans-1,2-Dichloroethene	ND<5.0	10	0.5	1,2-Dichloropropane	ND<5.0	10	0.5
1,3-Dichloropropane	ND<5.0	10	0.5	2,2-Dichloropropane	ND<5.0	10	0.5
1,1-Dichloropropene	ND<5.0	10	0.5	cis-1,3-Dichloropropene	ND<5.0	10	0.5
trans-1,3-Dichloropropene	ND<5.0	10	0.5	Diisopropyl ether (DIPE)	ND<5.0	10	0.5
Ethylbenzene	ND<5.0	10	0.5	Ethyl tert-butyl ether (ETBE)	ND<5.0	10	0.5
Hexachlorobutadiene	ND<5.0	10	0.5	2-Hexanone	ND<5.0	10	0.5
Iodomethane (Methyl iodide)	ND<5.0	10	0.5	Isopropylbenzene	13	10	0.5
4-Isopropyl toluene	ND<5.0	10	0.5	Methyl-t-butyl ether (MTBE)	ND<5.0	10	0.5
Methylene chloride	ND<5.0	10	0.5	4-Methyl-2-pentanone (MIBK)	ND<5.0	10	0.5
Naphthalene	ND<5.0	10	0.5	n-Propyl benzene	18	10	0.5
Styrene	ND<5.0	10	0.5	1,1,1,2-Tetrachloroethane	ND<5.0	10	0.5
1,1,2,2-Tetrachloroethane	ND<5.0	10	0.5	Tetrachloroethene	ND<5.0	10	0.5
Toluene	ND<5.0	10	0.5	1,2,3-Trichlorobenzene	ND<5.0	10	0.5
1,2,4-Trichlorobenzene	ND<5.0	10	0.5	1,1,1-Trichloroethane	ND<5.0	10	0.5
1,1,2-Trichloroethane	ND<5.0	10	0.5	Trichloroethene	ND<5.0	10	0.5
Trichlorofluoromethane	ND<5.0	10	0.5	1,2,3-Trichloropropane	ND<5.0	10	0.5
1,2,4-Trimethylbenzene	ND<5.0	10	0.5	1,3,5-Trimethylbenzene	ND<5.0	10	0.5
Vinyl Acetate	ND<50	10	5.0	Vinyl Chloride	ND<5.0	10	0.5
Xylenes	ND<5.0	10	0.5				

Surrogate Recoveries (%)

%SS1:	105	%SS2:	102
%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.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

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

Clayton Group Services	Client Project ID: #70-03661.01; RCD	Date Sampled: 05/01/03-05/02/03
6920 Koll Center Pkwy, Ste. 216		Date Received: 05/05/03
Pleasanton, CA 94566	Client Contact: Don Ashton	Date Extracted: 05/06/03
	Client P.O.:	Date Analyzed: 05/06/03

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

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0305061

Lab ID	0305061-034A
Client ID	B-10W
Matrix	Water

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	5.0	tert-Amyl methyl ether (TAME)	ND	1.0	0.5
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	t-Butyl alcohol (TBA)	ND	1.0	5.0
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	Diisopropyl ether (DIPE)	ND	1.0	0.5
Ethylbenzene	ND	1.0	0.5	Ethyl tert-butyl ether (ETBE)	ND	1.0	0.5
Hexachlorobutadiene	ND	1.0	0.5	2-Hexanone	ND	1.0	0.5
Iodomethane (Methyl iodide)	ND	1.0	0.5	Isopropylbenzene	ND	1.0	0.5
4-Isopropyl toluene	ND	1.0	0.5	Methyl-t-butyl ether (MTBE)	0.50	1.0	0.5
Methylene chloride	ND	1.0	0.5	4-Methyl-2-pentanone (MIBK)	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:	101	%SS2:	99.1
%SS3:	104		

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

Angela Rydelius, Lab Manager

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

Clayton Group Services	Client Project ID: #70-03661.01; RCD	Date Sampled: 05/01/03-05/02/03
6920 Koll Center Pkwy, Ste. 216		Date Received: 05/05/03
Pleasanton, CA 94566	Client Contact: Don Ashton	Date Extracted: 05/05/03
	Client P.O.:	Date Analyzed: 05/05/03-05/06/03

CAM / CCR 17 Metals*

Lab ID	0305061-001A	0305061-002A	0305061-004A	0305061-005A	Reporting Limit for DF =1; ND means not detected above the reporting limit	
Client ID	B-4 3.5-4'	B-4 7.5-8'	B-5 7.5-8'	B-5 9-9.5'		
Matrix	S	S	S	S	S	W
Extraction Type	TTLC	TTLC	TTLC	TTLC	mg/Kg	mg/L

ICP Metals, Concentration*

Analytical Method: 6010C | Extraction Method: SW3050B | Work Order: 0305061

Dilution Factor	1	1	1	1	1	1
Antimony	ND	ND	ND	ND	2.5	NA
Barium	150	110	150	98	2.5	NA
Beryllium	0.62	ND	ND	ND	0.5	NA
Cadmium	ND	ND	ND	ND	0.5	NA
Chromium	27	33	46	29	0.5	NA
Cobalt	6.6	9.1	9.7	15	2.0	NA
Copper	13	15	13	16	2.0	NA
Lead	6.5	6.1	5.6	11	3.0	NA
Molybdenum	ND	ND	ND	ND	2.0	NA
Nickel	28	35	44	57	2.0	NA
Silver	ND	ND	ND	ND	1.0	NA
Vanadium	31	29	27	37	2.0	NA
Zinc	29	44	41	39	1.0	NA
%SS:	104	104	109	103		

GFAA Metals, Concentration*

Analytical Method: SW7010 | Extraction Method: SW3050B

Dilution Factor	1	1	1	1	1	1
Arsenic	2.9	ND	3.0	4.4	2.5	NA
Selenium	ND	ND	ND	ND	2.5	NA
Thallium	ND	ND	ND	ND	2.5	NA

Cold Vapor Metals, Concentration*

Analytical Method: SW7471B | Extraction Method: SW7471B

Dilution Factor	1	1	1	1	1	1
Mercury	ND	ND	ND	ND	0.06	NA
Comments						

* water/liquid/oil 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.

means surrogate recovery outside of acceptance range due to matrix interference; 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/liquid- Sb, As, Pb, Se, Tl); 245.1 (Hg); 7010 (sludge/soil/solid/oil/product/wipes - As, Se, Tl); 7471B (Hg).

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; y) estimated values due to low surrogate recovery; z) reporting limit raised due to matrix interference.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

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Clayton Group Services	Client Project ID: #70-03661.01; RCD	Date Sampled: 05/01/03-05/02/03
6920 Koll Center Pkwy, Ste. 216		Date Received: 05/05/03
Pleasanton, CA 94566	Client Contact: Don Ashton	Date Extracted: 05/05/03
	Client P.O.:	Date Analyzed: 05/05/03-05/06/03

CAM / CCR 17 Metals*

Lab ID	0305061-006A	0305061-007A	0305061-008A	0305061-009A	Reporting Limit for DF =1; ND means not detected above the reporting limit	
Client ID	B-6 7-7.5'	B-7 3.5-4'	B-7 7.5-8'	B-8 3.5-4'		
Matrix	S	S	S	S	S	W
Extraction Type	TTLC	TTLC	TTLC	TTLC	mg/Kg	mg/L

ICP Metals, Concentration*

Analytical Method: 6010C — Extraction Method: SW3050B — Work Order: 0305061

Dilution Factor	1	1	1	1	1	1
Antimony	ND	ND	ND	ND	2.5	NA
Barium	120	110	60	110	2.5	NA
Beryllium	ND	ND	ND	ND	0.5	NA
Cadmium	ND	ND	ND	ND	0.5	NA
Chromium	25	27	21	21	0.5	NA
Cobalt	7.2	4.7	6.8	4.9	2.0	NA
Copper	100	14	10	11	2.0	NA
Lead	ND	5.4	4.7	ND	3.0	NA
Molybdenum	ND	ND	ND	ND	2.0	NA
Nickel	22	25	24	24	2.0	NA
Silver	ND	ND	ND	ND	1.0	NA
Vanadium	48	27	17	25	2.0	NA
Zinc	56	29	32	21	1.0	NA
%SS:	109	105	103	101		

GFAA Metals, Concentration*

Analytical Method: SW7010 — Extraction Method: SW3050B

Dilution Factor	1	1	1	1	1	1
Arsenic	4.1	2.6	ND	3.5	2.5	NA
Selenium	ND	ND	ND	ND	2.5	NA
Thallium	ND	ND	ND	ND	2.5	NA

Cold Vapor Metals, Concentration*

Analytical Method: SW7471B — Extraction Method: SW7471B

Dilution Factor	1	1	1	1	1	1
Mercury	0.16	ND	ND	ND	0.06	NA
Comments						

* water/liquid/oil 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.

means surrogate recovery outside of acceptance range due to matrix interference; 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/liquid- Sb, As, Pb, Se, Tl); 245.1 (Hg); 7010 (sludge/soil/solid/oil/product/wipes - As, Se, Tl); 7471B (Hg).

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; y) estimated values due to low surrogate recovery; z) reporting limit raised due to matrix interference.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

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

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0305061

Client:
Clayton Group Services
6920 Koll Center Pkwy, Ste. 216
Pleasanton, CA 94566

TEL: (925) 426-2600
FAX: (925) 426-0106
ProjectNo: #70-03661.01; RCD
PO:

Date Received: 5/5/03
Date Printed: 5/5/03

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests						
					6010C	SW7010	SW7471B	SW8015C	W8021B/8015C	SW8260B	
0305061-020	B-1 7.5-8'	Soil	5/2/03 1:40:00 PM	☐	A	A	A	A	A	A	
0305061-021	B-1 13.5-14'	Soil	5/2/03 2:00:00 PM	☐				A	A	A	
0305061-022	B-2 3-3.5'	Soil	5/2/03 8:50:00 AM	☐	A	A	A	A	A	A	
0305061-023	B-2 7.5-8'	Soil	5/2/03 9:00:00 AM	☐	A	A	A	A	A	A	
0305061-024	B-2 14.5-15'	Soil	5/2/03 9:15:00 AM	☐				A	A	A	
0305061-025	B-3 3.5-4'	Soil	5/2/03 10:30:00 AM	☐	A	A	A	A	A	A	
0305061-026	B-3 7.5-8'	Soil	5/2/03 10:40:00 AM	☐	A	A	A	A	A	A	
0305061-029	B-3W	Water	5/2/03 1:15:00 PM	☐				A	A	B	
0305061-030	B-4W	Water	5/2/03 12:05:00 PM	☐				A	A	B	
0305061-031	B-5W	Water	5/2/03 12:21:00 PM	☐				A	A	B	
0305061-032	B-6W	Water	5/2/03 12:45:00 PM	☐				A	A	B	
0305061-033	B-7W	Water	5/2/03 12:40:00 PM	☐				A	A	B	
0305061-034	B-10W	Water	5/2/03 11:10:00 AM	☐						A	

Prepared by: Maria Venegas

Comments:

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

030-0661

McCAMPBELL ANALYTICAL

110 2nd AVENUE, # D7
PACHECO, CA 94553
925 (510) 798-1620 FAX 925 (510) 798-1622

CHAIN OF CUSTODY RECORD

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

REPORT TO: DON ASHTON BILL TO: SAME

COMPANY: CLAYTON GROUP SERVICES, INC

6920 KOLL CENTER PARKWAY, SUITE 216

PLEASANTON, CA 94566-3602

TELE: FAX #:

PROJECT NUMBER: 70-03661.01 PROJECT NAME: RCD

PROJECT LOCATION: EMERYVILLE SAMPLER SIGNATURE: Don Ashton

1 of 3

SAMPLE ID	LOCATION	SAMPLING DATE	SAMPLING TIME	# CONTAINERS	TYPE CONTAINERS	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	METHOD PRESERVED: HCL	HNO_3	OTHER	BTEX & TPH as Gasoline (602/8020 & 8015)	THP	Total Petroleum Oil & Grease (5520 E&F/5520 B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 601/8010	EPA 602/8020	EPA 608/8080	EPA 608/8080 - PCBs Only	EPA 624/8240/8260 + OXYGENATES	EPA 625/8270	CAM - 17 Metals	EPA - Priority Pollutant Metals	LEAD 7240/7421/239.2/6010	ORGANIC LEAD	RCI	HOLD	COMMENTS
B-4	3.5-4'	5-1-03	12:00	1	SLV		X								X							X		X						
B-4	7.5-8'		12:05												X							X		X						
B-4	9-9.5'		12:10																									X		HOLD
B-5	7.5-8'		13:05												X							X		X						
B-5	9-9.5'		13:10												X							X		X						
B-6	7-7.5'		10:45												X							X		X						
B-7	3.5-4'		15:50												X							X		X						
B-7	7.5-8'		16:00												X							X		X						
B-8	3.5-4'		14:05												X							X		X						
B-8	7.5-8'		14:10												X							X		X						
B-8	9.5-10'		14:15												X							X		X						
B-9	5-5.5'		13:33																									X		HOLD
B-9	7.5-8'		13:35												X							X		X						
B-9	8.5-9'		13:40																									X		HOLD

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:
Don Ashton	5-2-03	18:20	Beth Burnell
Beth Burnell	5/4/03	7:10	
	DATE	TIME	RECEIVED BY LABORATORY:
	5/5/03	7:56	

REMARKS:

ICE: ✓
GOOD CONDITION ✓
HEAD SPACE ABSENT ✓
APPROPRIATE CONTAINERS ✓
PRESERVED IN LAB

VOAs	O&G	METALS	OTHER

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

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0305061

Client:
Clayton Group Services
6920 Koll Center Pkwy, Ste. 216
Pleasanton, CA 94566

TEL: (925) 426-2600
FAX: (925) 426-0106
ProjectNo: #70-03661.01; RCD
PO:

Date Received: 5/5/03
Date Printed: 5/5/03

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests						
					6010C	SW7010	SW7471B	SW8015C	W8021B/8015C	SW8260B	
0305061-001	B-4 3.5-4'	Soil	5/1/03 12:00:00 PM	☐	A	A	A	A	A	A	
0305061-002	B-4 7.5-8'	Soil	5/1/03 12:05:00 PM	☐	A	A	A	A	A	A	
0305061-004	B-5 7.5-8'	Soil	5/1/03 1:05:00 PM	☐	A	A	A	A	A	A	
0305061-005	B-5 9-9.5'	Soil	5/1/03 1:10:00 PM	☐	A	A	A	A	A	A	
0305061-006	B-6 7-7.5'	Soil	5/1/03 10:45:00 AM	☐	A	A	A	A	A	A	
0305061-007	B-7 3.5-4'	Soil	5/1/03 3:50:00 PM	☐	A	A	A	A	A	A	
0305061-008	B-7 7.5-8'	Soil	5/1/03 4:00:00 PM	☐	A	A	A	A	A	A	
0305061-009	B-8 3.5-4'	Soil	5/1/03 2:05:00 PM	☐	A	A	A	A	A	A	
0305061-010	B-8 7.5-8'	Soil	5/1/03 2:10:00 PM	☐	A	A	A	A	A	A	
0305061-012	B-9 5-5.5'	Soil	5/1/03 1:33:00 PM	☐	A	A	A	A	A	A	
0305061-013	B-9 7.5-8'	Soil	5/1/03 1:35:00 PM	☐	A	A	A	A	A	A	
0305061-015	B-10 3.5-4'	Soil	5/1/03 2:50:00 PM	☐	A	A	A	A	A	A	
0305061-016	B-10 7.5-8'	Soil	5/1/03 3:00:00 PM	☐	A	A	A	A	A	A	
0305061-017	B-8W	Water	5/1/03 4:01:00 PM	☐				A	A	B	
0305061-018	B-9W	Water	5/1/03 4:07:00 PM	☐				A	A	B	
0305061-019	B-1 3.5-4'	Soil	5/2/03 1:30:00 PM	☐	A	A	A	A	A	A	

Prepared by: Maria Venegas

Comments:

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

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QC SUMMARY REPORT FOR CAM17

Matrix: S WorkOrder: 0305061

Compound	Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	% Rec.	% Rec.	% RPD	Low	High
EPA Method: 6010C	Extraction: SW3050B		BatchID: 6792		Spiked Sample ID: N/A	
Antimony	500	101	105	3.59	70	130
Barium	500	89.2	90.7	1.64	70	130
Beryllium	500	111	112	1.01	70	130
Cadmium	500	101	100	0.892	70	130
Chromium	500	103	103	0	70	130
Cobalt	500	98.4	100	2.03	70	130
Copper	500	87.5	87.7	0.271	70	130
Lead	500	104	109	4.81	70	130
Molybdenum	500	90.9	108	16.8	70	130
Nickel	500	102	103	1.60	70	130
Silver	50	97.7	98.2	0.461	70	130
Vanadium	500	101	100	0.460	70	130
Zinc	500	102	106	3.83	70	130
%SS:	100	105	105	0	70	130
EPA Method: SW7010	Extraction: SW3050B		BatchID: 6793		Spiked Sample ID: N/A	
Arsenic	5	119	94.9	22.8	70	130
Selenium	5	82.9	95.2	13.8	70	130
Thallium	5	95	99.3	4.39	70	130
EPA Method: SW7471B	Extraction: SW7471B		BatchID: 6794		Spiked Sample ID: N/A	
Mercury	0.25	104	99.3	4.29	70	130

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

NONE

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

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

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

N/A = not applicable to this method.
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR CAM17

Matrix: S WorkOrder: 0305061

Compound	Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	% Rec.	% Rec.	% RPD	Low	High
EPA Method: 6010C	Extraction: SW3050B		BatchID: 6782		Spiked Sample ID: N/A	
Antimony	500	96.4	99.5	3.17	70	130
Barium	500	91.2	94.1	3.13	70	130
Beryllium	500	108	109	1.14	70	130
Cadmium	500	116	116	0	70	130
Chromium	500	103	102	1.11	70	130
Cobalt	500	96.3	95	1.35	70	130
Copper	500	89.1	92.3	3.51	70	130
Lead	500	98.9	102	3.19	70	130
Molybdenum	500	97.5	103	5.15	70	130
Nickel	500	98	99.9	1.94	70	130
Silver	50	99.1	99.7	0.556	70	130
Vanadium	500	98.6	100	1.64	70	130
Zinc	500	96	98.6	2.73	70	130
%SS:	100	98.6	101	2.45	70	130
EPA Method: SW7010	Extraction: SW3050B		BatchID: 6770		Spiked Sample ID: N/A	
Arsenic	5	86.5	105	19.4	70	130
Selenium	5	97.9	92.2	6.01	70	130
Thallium	5	107	109	1.97	70	130
EPA Method: SW7471B	Extraction: SW7471B		BatchID: 6794		Spiked Sample ID: N/A	
Mercury	0.25	104	99.3	4.29	70	130

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

NONE

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

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

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

N/A = not applicable to this method.
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8260B

Matrix: S WorkOrder: 0305061

EPA Method: SW8260B Extraction: SW5030B BatchID: 6774 Spiked Sample ID: 0305061-022A

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
tert-Amyl methyl ether (TAME)	ND	50	100	97.2	3.12	92.5	92.6	0.105	70	130
Benzene	ND	50	113	109	3.81	105	105	0	70	130
Chlorobenzene	ND	50	103	99	4.28	92.5	92.5	0	70	130
1,1-Dichloroethene	ND	50	104	98.6	5.46	83.3	82.1	1.49	70	130
Diisopropyl ether (DIPE)	ND	50	126	122	2.63	122	122	0	70	130
Ethyl tert-butyl ether (ETBE)	ND	50	105	102	2.98	99.6	98.9	0.724	70	130
Methyl-t-butyl ether (MTBE)	ND	50	105	101	3.96	98.5	97.1	1.45	70	130
Toluene	ND	50	109	105	4.06	100	99	1.28	70	130
Trichloroethene	ND	50	97.2	91.1	6.48	84.7	82	3.25	70	130
%SS1:	98.3	100	97.9	97.5	0.463	99.4	97.6	1.91	70	130
%SS2:	97.3	100	97.6	98	0.375	98.5	98.5	0	70	130
%SS3:	97.0	100	97.2	100	3.30	98.9	100	1.19	70	130

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

NONE

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

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

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

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

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

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QC SUMMARY REPORT FOR SW8260B

Matrix: W WorkOrder: 0305061

EPA Method: SW8260B	Extraction: SW5030B	BatchID: 6777	Spiked Sample ID: 0305061-034A

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	ND	10	110	107	2.45	105	107	1.51	70	130
tert-Amyl methyl ether (TAME)	ND	10	101	98.1	2.48	99.6	102	2.81	70	130
Chlorobenzene	ND	10	104	103	0.650	102	103	0.332	70	130
1,1-Dichloroethene	ND	10	83.1	75.8	9.24	75.6	80.3	5.93	70	130
Methyl-t-butyl ether (MTBE)	0.5007	10	106	100	5.56	99.5	104	4.80	70	130
Toluene	ND	10	114	112	1.81	110	111	0.565	70	130
Trichloroethene	ND	10	93.9	91	3.19	91.6	92.1	0.553	70	130
Diisopropyl ether (DIPE)	ND	10	111	108	3.64	105	110	4.63	70	130
Ethyl tert-butyl ether (ETBE)	ND	10	102	98.9	3.04	98.2	102	3.96	70	130
%SS1:	101	100	107	106	0.968	103	104	1.02	80	130
%SS2:	99.1	100	99.9	99.6	0.330	99.4	99.2	0.214	80	130
%SS3:	104	100	104	103	0.744	103	105	1.86	80	130

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

NONE

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

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

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

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

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

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QC SUMMARY REPORT FOR SW8015C

Matrix: W WorkOrder: 0305061

EPA Method: SW8015C Extraction: SW3510C BatchID: 6786 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	85.3	92.2	7.86	70	130
%SS:	N/A	100	N/A	N/A	N/A	95.5	103	7.32	70	130

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

NONE

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

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

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

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

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QC SUMMARY REPORT FOR SW8015C

Matrix: S WorkOrder: 0305061

EPA Method: SW8015C Extraction: SW3550C BatchID: 6769 Spiked Sample ID: 0305041-002A

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	94.4	97.8	3.51	96.4	97.5	1.14	70	130
%SS:	110	100	107	109	1.92	109	110	0.957	70	130

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

TPH(d)

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

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

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

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

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QC SUMMARY REPORT FOR SW8021B/8015Cm

Matrix: S WorkOrder: 0305061

EPA Method: SW8021B/8015Cm Extraction: SW5030B BatchID: 6790 Spiked Sample ID: 0305061-025A

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(btex) £	ND	0.60	98.5	103	4.16	116	110	5.33	70	130
MTBE	ND	0.10	102	95.1	6.63	104	94	9.94	70	130
Benzene	ND	0.10	95.3	92.2	3.30	107	96.7	9.89	70	130
Toluene	ND	0.10	89.9	86.7	3.71	99.4	92.4	7.27	70	130
Ethylbenzene	ND	0.10	97.7	95.2	2.58	106	102	3.65	70	130
Xylenes	ND	0.30	93.3	92.3	1.08	100	100	0	80	120
%SS:	96.4	100	99.8	98.1	1.73	105	91.5	13.3	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.

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

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

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

cluttered chromatogram; sample peak coelutes with surrogate peak.

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

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QC SUMMARY REPORT FOR SW8021B/8015Cm

Matrix: W WorkOrder: 0305061

EPA Method: SW8021B/8015Cm Extraction: SW5030B BatchID: 6788 Spiked Sample ID: 0305068-001A

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(btex)£	ND	60	109	103	5.32	100	100	0	70	130
MTBE	ND	10	103	99.8	2.89	93.1	94.4	1.43	70	130
Benzene	ND	10	100	99.4	0.633	101	101	0	70	130
Toluene	0.5674	10	105	100	4.46	108	109	1.25	70	130
Ethylbenzene	ND	10	102	102	0	103	103	0	70	130
Xylenes	ND	30	107	107	0	107	107	0	80	120
%SS:	101	100	100	98	2.43	100	101	0.316	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.

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

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

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

cluttered chromatogram; sample peak coelutes with surrogate peak.

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

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QC SUMMARY REPORT FOR SW8021B/8015Cm

Matrix: S WorkOrder: 0305061

EPA Method: SW8021B/8015Cm Extraction: SW5030B BatchID: 6781 Spiked Sample ID: 0305061-008A

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(btex) £	ND	0.60	104	98	5.55	97.4	95.7	1.79	70	130
MTBE	ND	0.10	87	84.2	3.27	85.2	84.7	0.606	70	130
Benzene	ND	0.10	95.7	96.7	0.974	93	88.7	4.76	70	130
Toluene	ND	0.10	101	102	1.23	96.8	92.1	5.00	70	130
Ethylbenzene	ND	0.10	96.6	97.8	1.20	95.9	91	5.20	70	130
Xylenes	ND	0.30	100	103	3.28	100	95.3	4.78	80	120
%SS:	91.4	100	92.7	96.1	3.60	91	88.7	2.52	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.

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

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

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

cluttered chromatogram; sample peak coelutes with surrogate peak.

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

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Clayton Group Services	Client Project ID: #70-03661.01; RCD	Date Sampled: 05/01/03-05/02/03
6920 Koll Center Pkwy, Ste. 216		Date Received: 05/05/03
Pleasanton, CA 94566	Client Contact: Don Ashton	Date Extracted: 05/05/03
	Client P.O.:	Date Analyzed: 05/05/03-05/06/03

CAM / CCR 17 Metals*

Lab ID	0305061-023A	0305061-025A	0305061-026A		Reporting Limit for DF =1; ND means not detected above the reporting limit	
Client ID	B-2 7.5-8'	B-3 3.5-4'	B-3 7.5-8'			
Matrix	S	S	S		S	W
Extraction Type	TTLC	TTLC	TTLC		mg/Kg	mg/L

ICP Metals, Concentration*

Analytical Method: 6010C | Extraction Method: SW3050B | Work Order: 0305061

Dilution Factor	1	1	1		1	1
Antimony	ND	ND	ND		2.5	NA
Barium	100	43	100		2.5	NA
Beryllium	ND	ND	ND		0.5	NA
Cadmium	ND	ND	ND		0.5	NA
Chromium	28	14	28		0.5	NA
Cobalt	10	4.8	11		2.0	NA
Copper	15	6.1	13		2.0	NA
Lead	6.0	5.3	6.0		3.0	NA
Molybdenum	ND	ND	ND		2.0	NA
Nickel	42	15	29		2.0	NA
Silver	ND	ND	ND		1.0	NA
Vanadium	30	14	27		2.0	NA
Zinc	39	15	36		1.0	NA
%SS:	114	107	110			

GFAA Metals, Concentration*

Analytical Method: SW7010 | Extraction Method: SW3050B

Dilution Factor	1	1	1		1	1
Arsenic	2.9	2.7	ND		2.5	NA
Selenium	ND	ND	ND		2.5	NA
Thallium	ND	ND	ND		2.5	NA

Cold Vapor Metals, Concentration*

Analytical Method: SW7471B | Extraction Method: SW7471B

Dilution Factor	1	1	1		1	1
Mercury	ND	ND	ND		0.06	NA
Comments						

* water/liquid/oil 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.

means surrogate recovery outside of acceptance range due to matrix interference; 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/liquid- Sb, As, Pb, Se, Tl); 245.1 (Hg); 7010 (sludge/soil/solid/oil/product/wipes - As, Se, Tl); 7471B (Hg).

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; y) estimated values due to low surrogate recovery; z) reporting limit raised due to matrix interference.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

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Clayton Group Services	Client Project ID: #70-03661.01; RCD	Date Sampled: 05/01/03-05/02/03
6920 Koll Center Pkwy, Ste. 216		Date Received: 05/05/03
Pleasanton, CA 94566	Client Contact: Don Ashton	Date Extracted: 05/05/03
	Client P.O.:	Date Analyzed: 05/05/03-05/06/03

CAM / CCR 17 Metals*

Lab ID	0305061-016A	0305061-019A	0305061-020A	0305061-022A	Reporting Limit for DF =1; ND means not detected above the reporting limit	
Client ID	B-10 7.5-8'	B-1 3.5-4'	B-1 7.5-8'	B-2 3-3.5'		
Matrix	S	S	S	S	S	W
Extraction Type	TTLC	TTLC	TTLC	TTLC	mg/Kg	mg/L
ICP Metals, Concentration*						
Analytical Method: 6010C	Extraction Method: SW3050B				Work Order: 0305061	
Dilution Factor	1	1	1	1	1	1
Antimony	ND	ND	ND	ND	2.5	NA
Barium	110	85	110	160	2.5	NA
Beryllium	ND	ND	ND	ND	0.5	NA
Cadmium	ND	ND	ND	ND	0.5	NA
Chromium	32	18	27	24	0.5	NA
Cobalt	12	3.4	4.5	8.6	2.0	NA
Copper	16	6.2	9.0	15	2.0	NA
Lead	7.8	4.5	5.2	5.6	3.0	NA
Molybdenum	ND	ND	ND	ND	2.0	NA
Nickel	39	12	39	37	2.0	NA
Silver	ND	ND	ND	ND	1.0	NA
Vanadium	33	24	17	29	2.0	NA
Zinc	47	15	34	26	1.0	NA
%SS:	104	107	98.5	106		
GFAA Metals, Concentration*						
Analytical Method: SW7010	Extraction Method: SW3050B					
Dilution Factor	1	1	1	1	1	1
Arsenic	4.5	4.4	ND	2.6	2.5	NA
Selenium	ND	ND	ND	ND	2.5	NA
Thallium	ND	ND	ND	ND	2.5	NA
Cold Vapor Metals, Concentration*						
Analytical Method: SW7471B	Extraction Method: SW7471B					
Dilution Factor	1	1	1	1	1	1
Mercury	ND	ND	ND	ND	0.06	NA
Comments						

* water/liquid/oil 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.

means surrogate recovery outside of acceptance range due to matrix interference; 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/liquid- Sb, As, Pb, Se, Tl); 245.1 (Hg); 7010 (sludge/soil/solid/oil/product/wipes - As, Se, Tl); 7471B (Hg).

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; y) estimated values due to low surrogate recovery; z) reporting limit raised due to matrix interference.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

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

Clayton Group Services	Client Project ID: #70-03661.01; RCD	Date Sampled: 05/01/03-05/02/03
6920 Koll Center Pkwy, Ste. 216		Date Received: 05/05/03
Pleasanton, CA 94566	Client Contact: Don Ashton	Date Extracted: 05/05/03
	Client P.O.:	Date Analyzed: 05/05/03-05/06/03

CAM / CCR 17 Metals*

Lab ID	0305061-010A	0305061-012A	0305061-013A	0305061-015A	Reporting Limit for DF =1; ND means not detected above the reporting limit	
Client ID	B-8 7.5-8'	B-9 5-5.5'	B-9 7.5-8'	B-10 3.5-4'		
Matrix	S	S	S	S	S	W
Extraction Type	TTLC	TTLC	TTLC	TTLC	mg/Kg	mg/L
ICP Metals, Concentration*						
Analytical Method: 6010C	Extraction Method: SW3050B				Work Order: 0305061	
Dilution Factor	1	1	1	1	1	1
Antimony	ND	ND	ND	ND	2.5	NA
Barium	130	39	140	160	2.5	NA
Beryllium	ND	ND	ND	ND	0.5	NA
Cadmium	ND	ND	ND	ND	0.5	NA
Chromium	27	22	29	25	0.5	NA
Cobalt	11	6.7	7.1	26	2.0	NA
Copper	16	8.6	15	11	2.0	NA
Lead	6.7	5.4	6.3	9.1	3.0	NA
Molybdenum	ND	ND	ND	ND	2.0	NA
Nickel	36	24	39	25	2.0	NA
Silver	ND	ND	ND	ND	1.0	NA
Vanadium	28	23	28	38	2.0	NA
Zinc	42	24	41	27	1.0	NA
%SS:	102	105	104	107		
GFAA Metals, Concentration*						
Analytical Method: SW7010	Extraction Method: SW3050B					
Dilution Factor	1	1	1	1	1	1
Arsenic	4.0	2.9	3.0	4.8	2.5	NA
Selenium	ND	ND	ND	ND	2.5	NA
Thallium	ND	ND	ND	ND	2.5	NA
Cold Vapor Metals, Concentration*						
Analytical Method: SW7471B	Extraction Method: SW7471B					
Dilution Factor	1	1	1	1	1	1
Mercury	ND	ND	ND	ND	0.06	NA
Comments						

* water/liquid/oil 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.

means surrogate recovery outside of acceptance range due to matrix interference; 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/liquid- Sb, As, Pb, Se, Tl); 245.1 (Hg); 7010 (sludge/soil/solid/oil/product/wipes - As, Se, Tl); 7471B (Hg).

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; y) estimated values due to low surrogate recovery; z) reporting limit raised due to matrix interference.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

McCAMPBELL ANALYTICAL

110 2nd AVENUE, # D7
PACHECO, CA 94553
(510) 798-1620 FAX (510) 798-1622

CHAIN OF CUSTODY RECORD

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

REPORT TO: Don Ashton BILL TO: —

COMPANY: CLAYTON

TELE: 925-426-2679 FAX #: 925-426-0106

PROJECT NUMBER: 70-036[illegible]01 PROJECT NAME: RCD

PROJECT LOCATION: Emeryville SAMPLER SIGNATURE: Don Ashton

2 of 3

SAMPLE ID	LOCATION	SAMPLING DATE	SAMPLING TIME	# CONTAINERS	TYPE CONTAINERS	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	METHOD PRESERVED: HCL	HNO_3	OTHER
B-10	3.5-4'	5-1-03	14:50	1	SLV		X						
B-10	7.5-8'	5-1-03	15:00	1	SLV		X						
B-8W			16:01	3	VOA	X							
B-8W				1L	AMBR	X							
B-9W			16:07	3	VOA	X							
B-9W				1L	AMBR	X							
B-1	3.5-4'	5-2-03	13:30	1	SLV		X						
B-1	7.5-8'		13:40				X						
B-1	13.5-14'		14:00				X						
B-2	3-3.5'		8:50				X						
B-2	7.5-8'		9:00				X						
B-2	14.5-15'		9:15				X						

ANALYSIS REQUEST

BTEX & TPH as Gasoline (602/8020 & 8015)	THP (8015) MULTI-SCAN	Total Petroleum Oil & Grease (5520 E&F/5520 B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 601/8010	EPA 602/8020	EPA 608/8080	EPA 608/8080 - PCBs Only	EPA 624/8240/8260 + OXYGENATES	EPA 625/8270	CAM - 17 Metals	EPA - Priority Pollutant Metals	LEAD (7240/7421/239.2/6010)	ORGANIC LEAD	RCI
X	X							X		X				
X	X							X		X				
								X						
X								X						
								X						
X								X		X				
X								X		X				
X								X		X				
X								X		X				
X								X		X				
X								X		X				
X								X		X				

OTHER

COMMENTS

REMARKS:

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:
Don Ashton	5-2-03	18:20	Beth Erwin
Beth Erwin	5/4/03	7:00	
	5/5/03	7:50	RECEIVED BY LABORATORY:

McCAMPBELL ANALYTICAL

110 2nd AVENUE, # D7
(510) 798-1620 PACHECO, CA 94553 FAX (510) 798-1622

CHAIN OF CUSTODY RECORD

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

REPORT TO: DON ASHTON BILL TO:
COMPANY: CLAYTON
TELE: 925-426-2679 FAX #: 925-426-0106
PROJECT NUMBER: 70-03661.01 PROJECT NAME: RCD
PROJECT LOCATION: EMERYVILLE SAMPLER SIGNATURE: Don Ashton

3 of 3

SAMPLE ID	LOCATION	SAMPLING DATE	SAMPLING TIME	# CONTAINERS	TYPE CONTAINERS	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	METHOD PRESERVED: HCL	HNO_3	OTHER
B-3	3.5-4'	5-2-03	10:30	1	SLV		X						
B-3	7.5-8'		10:40	1									
B-3	10.5-11'		10:50	1									
B-3	14.5-15'		11:00	1									
+2 B-3W		5-2-03	13:15	3	VOA	X							
↓			↓	1L	AMBER								
+ B-4W			12:05	3	VOA								
↓			↓	1L	AMBER								
+ B-5W			12:21	3	VOA								
↓			↓	1L	AMBER								
+10 B-6W			12:45	3	VOA								
↓			↓	1L	AMBER								
+5 B-7W			12:40	3	VOA								
↓			↓	1L	AMBER								
+ B-10W			11:10	3	VOA								

ANALYSIS REQUEST

BTEX & TPH as Gasoline (602/8020 & 8015)	TPH as Diesel (8015) MULTI-SCAN	Total Petroleum Oil & Grease (5520 E&F/5520 B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 601/8010	EPA 602/8020	EPA 608/8080	EPA 608/8080 - PCBs Only	EPA 624/8240/8260 VOC+OXYGENATES	EPA 625/8270	CAM - 17 Metals	EPA - Priority Pollutant Metals	LEAD (7240/7421/239.2/6010)	ORGANIC LEAD	RCI	OTHER: HOLD	COMMENTS
X	X							X		X						
X	X							X		X						
															X	
															X	
	X							X								
X																
	X							X								
X																
	X							X								
X																
	X							X								
X																
	X							X								
X																
(8)							X									

RELINQUISHED BY: Don Ashton DATE 5-2-03 TIME 18:20 RECEIVED BY: Beth Quinn
RELINQUISHED BY: Beth Quinn DATE 5/4/03 TIME 7:10 RECEIVED BY:
RELINQUISHED BY: DATE 5/5/03 TIME 7:18 RECEIVED BY LABORATORY: Maria Venus

REMARKS: NOTE: B-5W (½ FULL) AMBER LITER